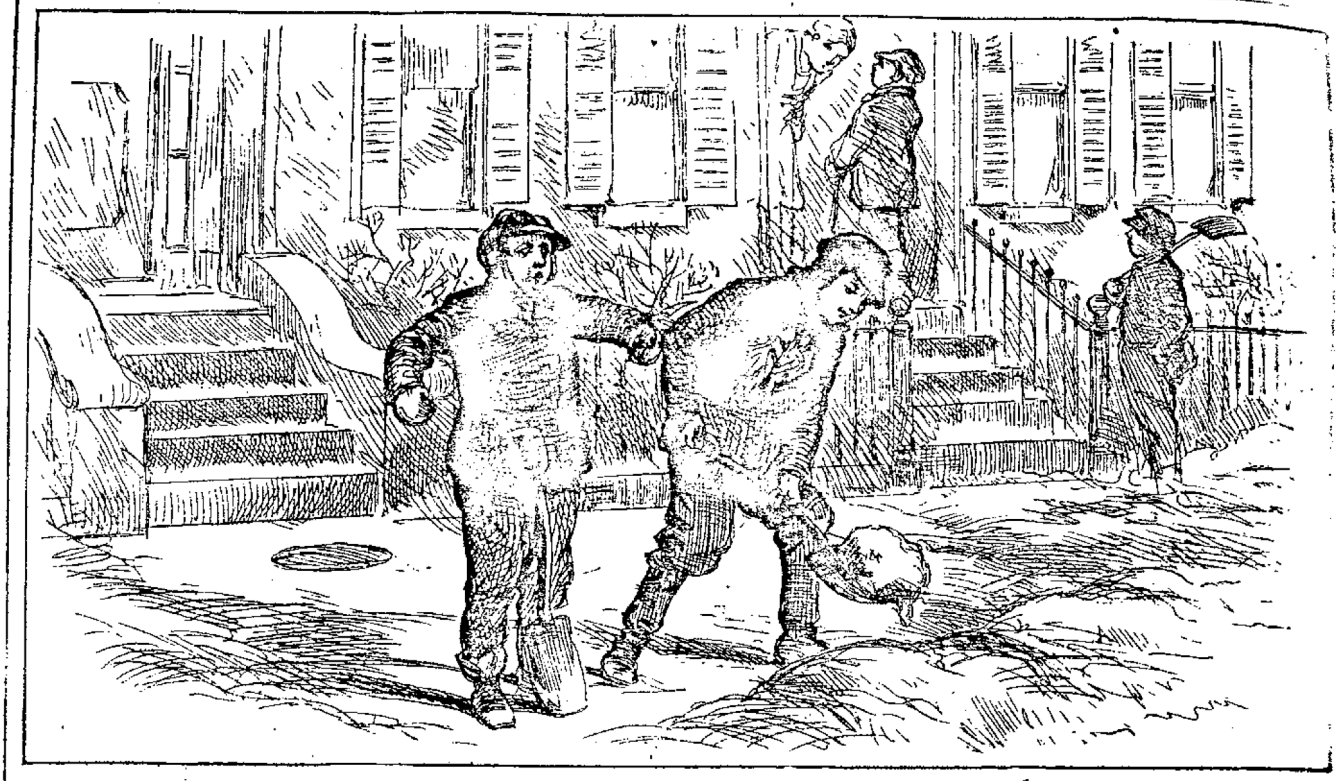
P 00080



# JANUARY.

I Month.] **1874.** [31 Days.

| DAY of Year | DAY of Month | DAY of Week | THE SUN. Latitude of Boston. Rises. | Latitude of Boston. Sets. | Latitude of New York. Rises. | Latitude of New York. Sets. | Latitude of Washington. Rises. | Latitude of Washington. Sets. | THE MOON. Washington. Age at Noon. | Boston. Sets. | New York. Sets. | Washington. Sets. | San Fran. Sets. | HIGH TIDE. Boston. A.M. | Boston. P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | Washington. |
| 1 | 1 | Th. | 7 32 | 4 37 | 7 26 | 4 42 | 7 21 | 4 47 | 13 | 6 44 | 6 37 | 6 30 | 6 34 | 10 15 | 10 39 | EMANCIPATION DAY. |
| 2 | 2 | Fri. | 32 | 38 | 26 | 43 | 21 | 48 | 14 | *rises.* | *rises.* | *rises.* | *rises.* | 11 3 | 11 24 | |
| 3 | 3 | Sat. | 32 | 39 | 26 | 43 | 21 | 49 | 15 | 5 24 | 5 31 | 5 37 | 5 49 | 11 53 | — | |
| 4 | 4 | S. | 32 | 40 | 26 | 44 | 21 | 50 | 16 | 6 26 | 6 42 | 6 37 | 6 48 | 0 23 | 0 38 | *2d Sunday after Christmas.* |
| 5 | 5 | Mo. | 32 | 41 | 26 | 45 | 21 | 51 | 17 | 7 37 | 7 41 | 7 45 | 7 56 | 1 7 | 1 21 | |
| 6 | 6 | Tu. | 32 | 42 | 26 | 46 | 21 | 52 | 18 | 8 41 | 8 44 | 8 47 | 8 57 | 1 48 | 2 1 | *Epiphany.* |
| 7 | 7 | Wd. | 31 | 43 | 26 | 47 | 20 | 53 | 19 | 9 43 | 9 45 | 9 47 | 9 55 | 2 27 | 2 41 | |
| 8 | 8 | Th. | 31 | 44 | 26 | 48 | 20 | 54 | 20 | 10 44 | 10 44 | 10 45 | 10 53 | 3 6 | 3 22 | ♂ ♃ ☾ 10h 55m P.M. ♃ —2° 17′ |
| 9 | 9 | Fri. | 31 | 45 | 26 | 49 | 20 | 55 | 21 | 11 44 | 11 44 | 11 43 | 11 50 | 3 48 | 4 5 | |
| 10 | 10 | Sat. | 30 | 46 | 25 | 50 | 20 | 56 | 22 | morn. | morn. | morn. | morn. | 4 31 | 4 52 | *1st Sunday after Epiphany.* |
| 11 | 11 | S. | 30 | 47 | 25 | 52 | 20 | 57 | 23 | 0 45 | 0 44 | 0 42 | 0 48 | 5 19 | 5 42 | |
| 12 | 12 | Mo. | 30 | 48 | 25 | 53 | 20 | 58 | 24 | 1 49 | 1 45 | 1 42 | 1 48 | 6 9 | 6 36 | |
| 13 | 13 | Tu. | 29 | 49 | 24 | 54 | 19 | 4 59 | 25 | 2 54 | 2 50 | 2 45 | 2 51 | 7 2 | 7 31 | |
| 14 | 14 | Wd. | 29 | 50 | 24 | 55 | 19 | 5 0 | 26 | 4 2 | 3 57 | 3 51 | 3 56 | 7 56 | 8 26 | |
| 15 | 15 | Th. | 28 | 51 | 24 | 56 | 19 | 1 | 27 | 5 11 | 5 5 | 4 59 | 5 3 | 8 49 | 9 19 | |
| 16 | 16 | Fri. | 28 | 52 | 23 | 57 | 18 | 2 | 28 | 6 18 | 6 11 | 6 3 | 6 7 | 9 40 | 10 11 | ♃ stationary. |
| 17 | 17 | Sat. | 27 | 54 | 23 | 58 | 18 | 3 | 29 | *sets.* | *sets.* | *sets.* | *sets.* | 10 30 | 11 0 | ♂ ♀ ☾ 9h 45m A.M. ♀ +4° |
| 18 | 18 | S. | 27 | 55 | 22 | 4 59 | 17 | 4 | 0 | 5 17 | 5 23 | 5 29 | 5 41 | 11 17 | 11 47 | *2d Sunday after Epiphany.* |
| 19 | 19 | Mo. | 26 | 56 | 22 | 5 1 | 17 | 5 | 1 | 6 36 | 6 41 | 6 45 | 6 57 | — | 0 4 | |
| 20 | 20 | Tu. | 26 | 57 | 21 | 2 | 16 | 6 | 2 | 7 56 | 7 59 | 8 2 | 8 13 | 0 34 | 0 51 | |
| 21 | 21 | Wd. | 25 | 4 58 | 20 | 3 | 16 | 8 | 3 | 9 13 | 9 15 | 9 16 | 9 26 | 1 21 | 1 39 | |
| 22 | 22 | Th. | 25 | 5 0 | 19 | 4 | 15 | 9 | 4 | 10 29 | 10 29 | 10 20 | 10 37 | 2 8 | 2 29 | |
| 23 | 23 | Fri. | 24 | 1 | 18 | 6 | 14 | 10 | 5 | 11 43 | 11 42 | 11 40 | 11 48 | 2 58 | 3 21 | |
| 24 | 24 | Sat. | 23 | 3 | 18 | 7 | 14 | 11 | 6 | morn. | morn. | morn. | morn. | 3 50 | 4 17 | |
| 25 | 25 | S. | 22 | 4 | 17 | 8 | 13 | 12 | 7 | 0 58 | 0 55 | 0 51 | 0 58 | 4 46 | 5 16 | *3d Sunday after Epiphany.* |
| 26 | 26 | Mo. | 21 | 5 | 16 | 10 | 12 | 14 | 8 | 2 12 | 2 7 | 2 3 | 2 9 | 5 45 | 6 18 | |
| 27 | 27 | Tu. | 20 | 7 | 15 | 11 | 11 | 15 | 9 | 3 25 | 3 19 | 3 13 | 3 18 | 6 48 | 7 23 | |
| 28 | 28 | Wd. | 19 | 8 | 15 | 12 | 10 | 16 | 10 | 4 35 | 4 28 | 4 21 | 4 25 | 7 53 | 8 28 | |
| 29 | 29 | Th. | 18 | 9 | 14 | 13 | 9 | 17 | 11 | 5 37 | 5 30 | 5 23 | 5 26 | 8 56 | 9 30 | |
| 30 | 30 | Fri. | 17 | 11 | 13 | 14 | 8 | 18 | 12 | 6 30 | 6 23 | 6 16 | 6 18 | 9 53 | 10 25 | |
| 31 | 31 | Sat. | 7 16 | 5 12 | 7 12 | 5 16 | 7 7 | 5 20 | 13 | 7 13 | 7 7 | 7 1 | 7 2 | 10 44 | 11 13 | |

*Moon's Phases.* d. h. m.

○ FULL MOON . . . . . 2 1 [illegible]
☾ LAST QUARTER . . . . . 10 2 [illegible]
● NEW MOON . . . . . 18 2 [illegible]
☽ FIRST QUARTER . . . . . 24 7 [illegible]

# FEBRUARY.

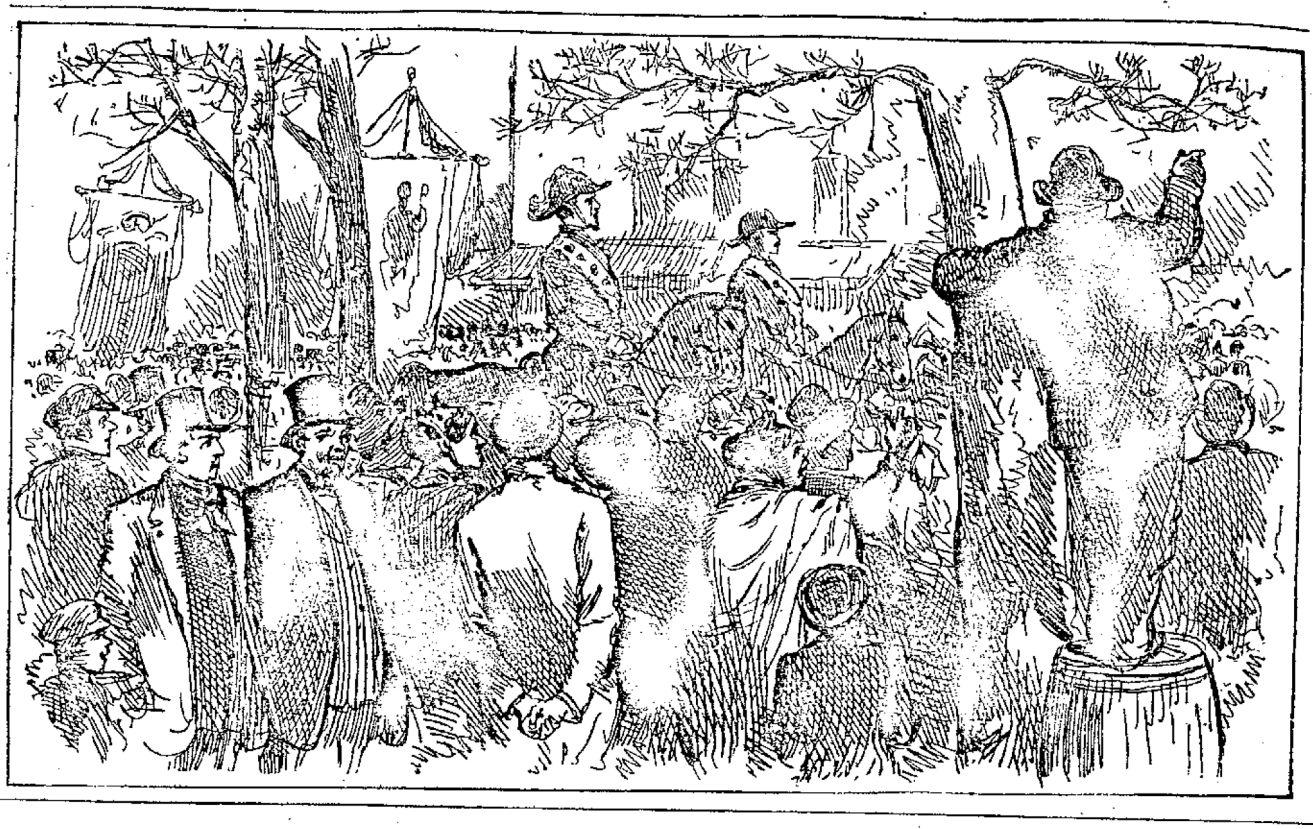
II Month.] **1874.** [28 Days.

| DAY of Year. | of Month. | of Week. | THE SUN. Latitude of Boston. Rises. | Sets. | Latitude of New York. Rises. | Sets. | Latitude of Washington. Rises. | Sets. | THE MOON. Washington. Age at Noon. | Boston. Rises. | New York. Rises. | Washington. Rises. | San Fran. Rises. | HIGH TIDE. Boston. A.M. | P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | |
| 32 | 1 | S. | 7 15 | 5 13 | 7 11 | 5 17 | 7 6 | 5 21 | 14 | 5 23 | 5 28 | 5 33 | 5 43 | 11 29 | 11 57 | *Septuagesima Sunday.* |
| 33 | 2 | Mo. | 14 | 15 | 10 | 18 | 5 | 22 | 15 | 6 28 | 6 32 | 6 35 | 6 45 | — | 0 10 | |
| 34 | 3 | Tu. | 12 | 16 | 9 | 19 | 4 | 23 | 16 | 7 31 | 7 34 | 7 36 | 7 45 | 0 35 | 0 48 | |
| 35 | 4 | Wd. | 11 | 17 | 8 | 21 | 3 | 24 | 17 | 8 33 | 8 34 | 8 35 | 8 43 | 1 11 | 1 25 | |
| 36 | 5 | Th. | 10 | 18 | 7 | 22 | 2 | 25 | 18 | 9 34 | 9 33 | 9 33 | 9 40 | 1 46 | 2 1 | ♂ ♃ ☾ 5h 42m A.M. ♃ −2° |
| 37 | 6 | Fri. | 9 | 20 | 6 | 23 | 1 | 26 | 19 | 10 34 | 10 32 | 10 31 | 10 37 | 2 21 | 2 37 | |
| 38 | 7 | Sat. | 8 | 21 | 5 | 24 | 7 0 | 28 | 20 | 11 36 | 11 33 | 11 30 | 11 36 | 2 58 | 3 16 | |
| 39 | 8 | S. | 6 | 23 | 3 | 25 | 6 59 | 29 | 21 | morn. | morn. | morn. | morn. | 3 37 | 3 58 | *Sexagesima Sunday.* |
| 40 | 9 | Mo. | 5 | 24 | 2 | 27 | 58 | 30 | 22 | 0 39 | 0 35 | 0 31 | 0 37 | 4 20 | 4 46 | |
| 41 | 10 | Tu. | 4 | 25 | 1 | 28 | 57 | 31 | 23 | 1 45 | 1 40 | 1 34 | 1 40 | 5 11 | 5 41 | |
| 42 | 11 | Wd. | 2 | 27 | 7 0 | 29 | 55 | 33 | 24 | 2 53 | 2 46 | 2 40 | 2 44 | 6 8 | 6 42 | |
| 43 | 12 | Th. | 1 | 28 | 6 58 | 31 | 54 | 34 | 25 | 3 59 | 3 52 | 3 45 | 3 49 | 7 9 | 7 45 | |
| 44 | 13 | Fri. | 7 0 | 29 | 57 | 32 | 53 | 35 | 26 | 5 1 | 4 54 | 4 46 | 4 50 | 8 11 | 8 45 | |
| 45 | 14 | Sat. | 6 58 | 31 | 56 | 33 | 52 | 36 | 27 | 5 55 | 5 48 | 5 41 | 5 44 | 9 8 | 9 40 | *St. Valentine.* [h − |
| 46 | 15 | S. | 57 | 32 | 54 | 34 | 51 | 37 | 28 | 6 39 | 6 34 | 6 28 | 6 30 | 10 1 | 10 31 | *Quinquagesima Sun.* ♂ h ☾ 3h [illegible] |
| 47 | 16 | Mo. | 55 | 33 | 53 | 36 | 50 | 38 | 29 | sets. | sets. | sets. | sets. | 10 49 | 11 18 | ♂ ♀ ☾ 9h 2m A.M. ♀ +4° |
| 48 | 17 | Tu. | 54 | 34 | 52 | 37 | 49 | 39 | 1 | 6 50 | 6 52 | 6 54 | 7 5 | 11 37 | — | *Shrove Tuesday.* |
| 49 | 18 | Wd. | 53 | 36 | 50 | 38 | 48 | 40 | 2 | 8 9 | 8 10 | 8 10 | 8 20 | 0 5 | 0 25 | *Ash Wednesday.* |
| 50 | 19 | Th. | 51 | 37 | 49 | 39 | 46 | 41 | 3 | 9 27 | 9 26 | 9 25 | 9 33 | 0 52 | 1 14 | ♂ ♂ ☾ 3h 45m A.M. ♂ +2 |
| 51 | 20 | Fri. | 49 | 38 | 47 | 40 | 45 | 42 | 4 | 10 44 | 10 42 | 10 39 | 10 46 | 1 42 | 2 6 | |
| 52 | 21 | Sat. | 48 | 40 | 46 | 42 | 43 | 44 | 5 | morn. | 11 57 | 11 52 | 11 59 | 2 32 | 2 59 | [Birthd[illegible] |
| 53 | 22 | S. | 46 | 41 | 44 | 43 | 42 | 45 | 6 | 0 1 | morn. | morn. | morn. | 3 25 | 3 56 | *1st Sun. in Lent.* Washington[illegible] |
| 54 | 23 | Mo. | 45 | 42 | 43 | 44 | 41 | 46 | 7 | 1 21 | 1 15 | 1 9 | 1 15 | 4 22 | 4 55 | |
| 55 | 24 | Tu. | 43 | 43 | 41 | 45 | 40 | 47 | 8 | 2 28 | 2 21 | 2 14 | 2 18 | 5 23 | 6 0 | |
| 56 | 25 | Wd. | 42 | 45 | 40 | 46 | 38 | 48 | 9 | 3 33 | 3 26 | 3 18 | 3 22 | 6 30 | 7 10 | |
| 57 | 26 | Th. | 40 | 46 | 39 | 48 | 37 | 49 | 10 | 4 29 | 4 21 | 4 14 | 4 16 | 7 41 | 8 19 | |
| 58 | 27 | Fri. | 39 | 47 | 37 | 49 | 35 | 50 | 11 | 5 14 | 5 7 | 5 0 | 5 2 | 8 46 | 9 20 | |
| 59 | 28 | Sat. | 6 37 | 5 49 | 6 35 | 5 50 | 6 34 | 5 51 | 12 | 5 50 | 5 44 | 5 39 | 5 40 | 9 42 | 10 12 | |

**PHENOMENA.**

*Moon's Phases.* (Washington.)

| | d. | h. | m. |
|---|---|---|---|
| ○ Full Moon | 1 | 6 | 2[illegible] |
| ☾ Last Quarter | 9 | 11 | 21 |
| ● New Moon | 16 | 2 | [illegible] |
| ☽ First Quarter | 23 | 5 | 3[illegible] |



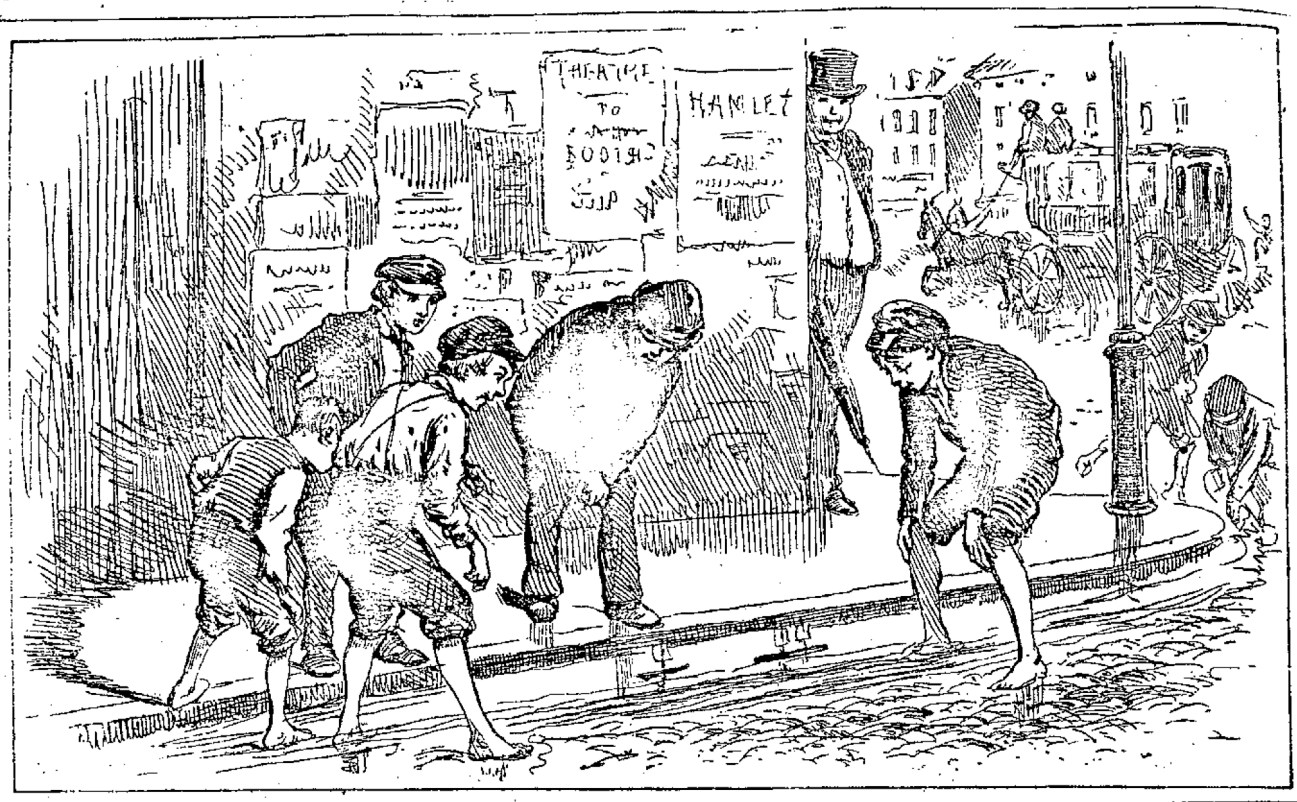
# MARCH.

III Month.] **1874.** [31 Days.

| DAY of Year | DAY of Month | DAY of Week | THE SUN. Latitude of Boston. Rises. | Latitude of Boston. Sets. | Latitude of New York. Rises. | Latitude of New York. Sets. | Latitude of Washington. Rises. | Latitude of Washington. Sets. | THE MOON. Washington. Age at Noon. | Boston. Sets. | New York. Sets. | Washington. Sets. | San Fran. Sets. | HIGH TIDE. Boston. A.M. | Boston. P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | Washington. |
| 60 | 1 | S. | 6 35 | 5 50 | 6 34 | 5 51 | 6 32 | 5 53 | 13 | 6 19 | 6 15 | 6 10 | 6 11 | 10 30 | 10 56 | *2d Sunday in Lent.* |
| 61 | 2 | Mo. | 33 | 51 | 32 | 52 | 31 | 54 | 14 | *rises.* | *rises.* | *rises.* | *rises.* | 11 11 | 11 34 | Mercury visible. |
| 62 | 3 | Tu. | 32 | 53 | 30 | 53 | 29 | 55 | 15 | 6 24 | 6 25 | 6 27 | 6 35 | 11 49 | — | |
| 63 | 4 | Wd. | 30 | 54 | 29 | 55 | 28 | 56 | 16 | 7 25 | 7 25 | 7 25 | 7 33 | 0 9 | 0 25 | ♂ ♃ ☾ 7h 8m A.M. ♃ —2° |
| 64 | 5 | Th. | 28 | 55 | 27 | 56 | 26 | 57 | 17 | 8 25 | 8 24 | 8 23 | 8 30 | 0 44 | 0 59 | |
| 65 | 6 | Fri. | 27 | 56 | 26 | 57 | 25 | 58 | 18 | 9 26 | 9 24 | 9 22 | 9 28 | 1 17 | 1 34 | |
| 66 | 7 | Sat. | 25 | 57 | 24 | 58 | 23 | 5 59 | 19 | 10 29 | 10 26 | 10 22 | 10 27 | 1 51 | 2 9 | |
| 67 | 8 | S. | 23 | 5 58 | 22 | 5 59 | 22 | 6 0 | 20 | 11 33 | 11 29 | 11 24 | 11 29 | 2 26 | 2 47 | *3d Sunday in Lent.* |
| 68 | 9 | Mo. | 21 | 6 0 | 20 | 6 0 | 20 | 1 | 21 | morn. | morn. | morn. | morn. | 3 5 | 3 27 | |
| 69 | 10 | Tu. | 20 | 1 | 19 | 1 | 19 | 2 | 22 | 0 39 | 0 33 | 0 27 | 0 32 | 3 46 | 4 14 | |
| 70 | 11 | Wd. | 18 | 2 | 17 | 2 | 17 | 3 | 23 | 1 45 | 1 38 | 1 31 | 1 35 | 4 36 | 5 9 | |
| 71 | 12 | Th. | 16 | 3 | 16 | 3 | 15 | 4 | 24 | 2 47 | 2 40 | 2 33 | 2 36 | 5 35 | 6 14 | |
| 72 | 13 | Fri. | 15 | 4 | 14 | 5 | 14 | 5 | 25 | 3 43 | 3 36 | 3 29 | 3 32 | 6 43 | 7 23 | |
| 73 | 14 | Sat. | 13 | 6 | 13 | 6 | 12 | 6 | 26 | 4 31 | 4 25 | 4 18 | 4 20 | 7 50 | 8 24 | ♂ ♄ ☾ 6h 34m P.M. ♄ +5° |
| 74 | 15 | S. | 11 | 7 | 11 | 7 | 11 | 7 | 27 | 5 10 | 5 5 | 5 0 | 5 1 | 8 48 | 9 19 | *4th Sunday in Lent.* |
| 75 | 16 | Mo. | 10 | 8 | 10 | 8 | 9 | 8 | 28 | 5 42 | 5 38 | 5 35 | 5 37 | 9 40 | 10 8 | |
| 76 | 17 | Tu. | 8 | 9 | 8 | 9 | 7 | 9 | 29 | *sets.* | *sets.* | *sets.* | *sets.* | 10 29 | 10 56 | ♂ ♃ ☉ 9h 30m A.M. |
| 77 | 18 | Wd. | 6 | 10 | 6 | 10 | 6 | 10 | 1 | 6 59 | 6 59 | 6 59 | 7 8 | 11 18 | 11 44 | ♂ ♀ ☾ 8h 22m A.M. ♀ +2° |
| 78 | 19 | Th. | 4 | 11 | 4 | 11 | 4 | 11 | 2 | 8 19 | 8 17 | 8 16 | 8 24 | — | 0 9 | |
| 79 | 20 | Fri. | 3 | 13 | 3 | 12 | 3 | 12 | 3 | 9 40 | 9 36 | 9 32 | 9 39 | 0 34 | 1 2 | ♂ ♂ ☾ 1h 36m A.M. ♂ +1° |
| 80 | 21 | Sat. | 6 1 | 14 | 6 1 | 13 | 1 | 13 | 4 | 10 59 | 10 54 | 10 49 | 10 55 | 1 26 | 1 56 | 20, Spring begins 1h 30m P.M. |
| 81 | 22 | S. | 5 59 | 15 | 5 59 | 15 | 6 0 | 14 | 5 | morn. | morn. | morn. | morn. | 2 19 | 2 49 | *5th Sunday in Lent.* |
| 82 | 23 | Mo. | 57 | 16 | 58 | 16 | 5 58 | 15 | 6 | 0 16 | 0 9 | 0 3 | 0 8 | 3 12 | 3 45 | |
| 83 | 24 | Tu. | 56 | 17 | 56 | 17 | 57 | 16 | 7 | 1 25 | 1 18 | 1 11 | 1 15 | 4 10 | 4 46 | |
| 84 | 25 | Wd. | 54 | 18 | 54 | 18 | 55 | 17 | 8 | 2 25 | 2 18 | 2 11 | 2 13 | 5 13 | 5 52 | |
| 85 | 26 | Th. | 52 | 20 | 52 | 19 | 53 | 18 | 9 | 3 14 | 3 7 | 3 1 | 3 2 | 6 22 | 7 3 | |
| 86 | 27 | Fri. | 50 | 21 | 50 | 20 | 52 | 19 | 10 | 3 53 | 3 47 | 3 41 | 3 42 | 7 33 | 8 10 | |
| 87 | 28 | Sat. | 48 | 22 | 49 | 21 | 50 | 20 | 11 | 4 24 | 4 19 | 4 14 | 4 15 | 8 35 | 9 7 | |
| 88 | 29 | S. | 46 | 23 | 47 | 22 | 48 | 21 | 12 | 4 49 | 4 45 | 4 42 | 4 43 | 9 28 | 9 55 | *Passion Sunday.* |
| 89 | 30 | Mo. | 45 | 24 | 46 | 23 | 47 | 22 | 13 | 5 10 | 5 8 | 5 5 | 5 7 | 10 13 | 10 36 | |
| 90 | 31 | Tu. | 5 43 | 6 25 | 5 44 | 6 24 | 5 45 | 6 23 | 14 | 5 29 | 5 28 | 5 27 | 5 29 | 10 53 | 11 13 | ♂ ♃ ☾ 6h 7m A.M. ♃ —2° |

PHENOMENA.

| *Moon's Phases.* | d. | h. | m. |
|---|---|---|---|
| ○ Full Moon | 3 | 0 | 13 A.M. |
| ☾ Last Quarter | 11 | 4 | 26 A.M. |
| ● New Moon | 17 | 11 | 54 P.M. |
| ☽ First Quarter | 24 | 5 | 23 P.M. |



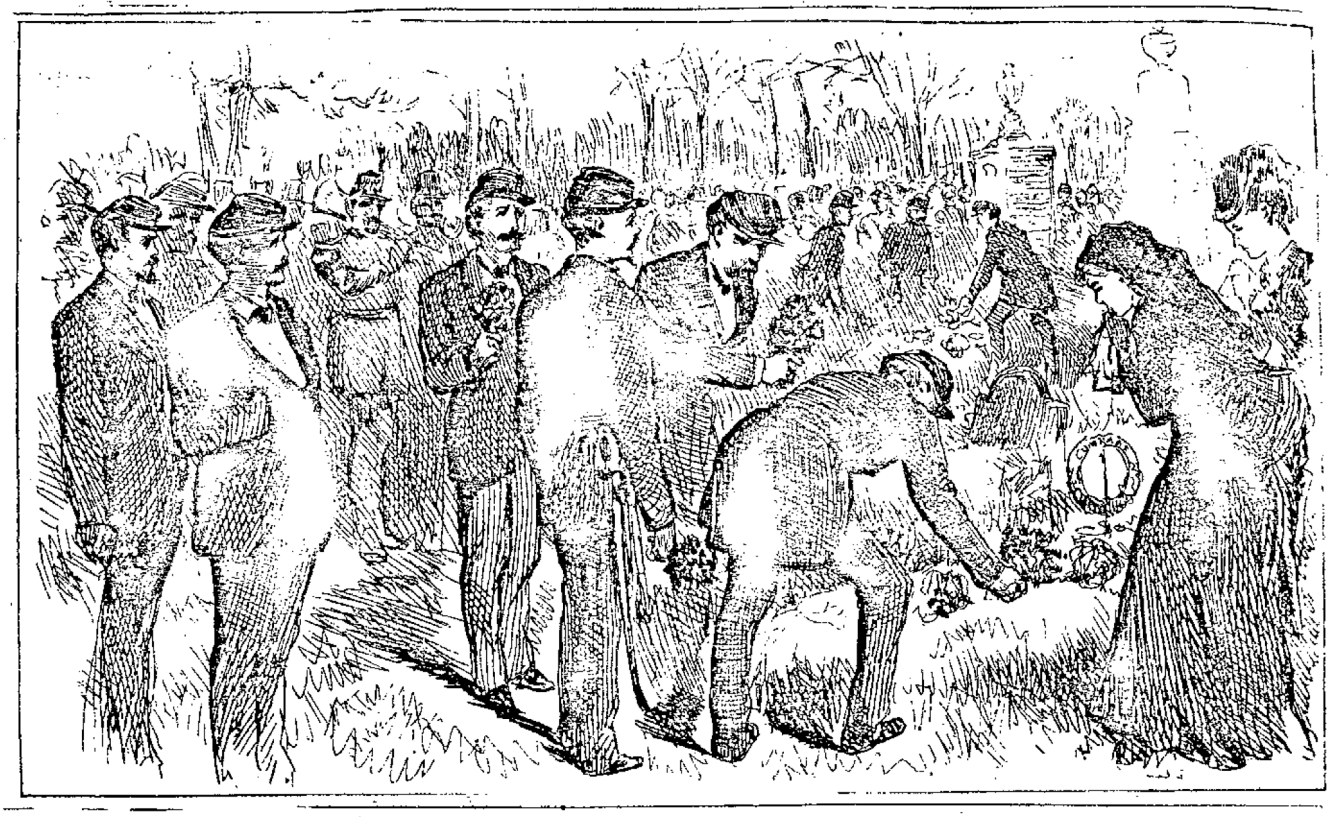

# APRIL.

IV Month.] **1874.** [30 Days.

| DAY of Year | DAY of Month | DAY of Week | THE SUN. Latitude of Boston. Rises. | Sets. | Latitude of New York. Rises. | Sets. | Latitude of Washington. Rises. | Sets. | THE MOON. Washington. Age at Noon. | Boston. Rises. | New York. Rises. | Washington. Rises. | San Fran. Rises. | HIGH TIDE. Boston. A.M. | P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | Washington. |
| 91 | 1 | Wd. | 5 41 | 6 26 | 5 43 | 6 25 | 5 44 | 6 24 | 15 | 6 18 | 6 17 | 6 17 | 6 25 | 11 30 | 11 47 | |
| 92 | 2 | Th. | 39 | 28 | 41 | 26 | 42 | 25 | 16 | 7 19 | 7 17 | 7 15 | 7 22 | — | 0 5 | |
| 93 | 3 | Fri. | 38 | 29 | 39 | 27 | 40 | 26 | 17 | 8 21 | 8 18 | 8 15 | 8 21 | 0 21 | 0 40 | |
| 94 | 4 | Sat. | 36 | 30 | 38 | 28 | 39 | 27 | 18 | 9 25 | 9 20 | 9 16 | 9 22 | 0 56 | 1 16 | |
| 95 | 5 | **S.** | 34 | 31 | 36 | 30 | 37 | 28 | 19 | 10 31 | 10 25 | 10 19 | 10 24 | 1 30 | 1 52 | EASTER DAY. |
| 96 | 6 | Mo. | 32 | 32 | 34 | 31 | 36 | 29 | 20 | 11 36 | 11 30 | 11 23 | 11 27 | 2 6 | 2 30 | |
| 97 | 7 | Tu. | 30 | 33 | 32 | 32 | 34 | 30 | 21 | morn. | morn. | morn. | morn. | 2 44 | 3 11 | |
| 98 | 8 | Wd. | 29 | 34 | 30 | 33 | 32 | 31 | 22 | 0 39 | 0 32 | 0 25 | 0 28 | 3 28 | 4 0 | |
| 99 | 9 | Th. | 27 | 36 | 29 | 34 | 31 | 32 | 23 | 1 36 | 1 29 | 1 22 | 1 24 | 4 21 | 4 58 | |
| 100 | 10 | Fri. | 25 | 37 | 27 | 35 | 29 | 33 | 24 | 2 26 | 2 19 | 2 12 | 2 14 | 5 23 | 6 2 | |
| 101 | 11 | Sat. | 24 | 38 | 26 | 36 | 28 | 34 | 25 | 3 7 | 3 1 | 2 55 | 2 57 | 6 30 | 7 9 | ♂ ♄ ☾ . . . . ♄ +5° 7h 11m A.M. |
| 102 | 12 | **S.** | 22 | 39 | 24 | 37 | 26 | 35 | 26 | 3 40 | 3 36 | 3 31 | 3 33 | 7 34 | 8 7 | *Low Sunday.* |
| 103 | 13 | Mo. | 21 | 40 | 23 | 38 | 25 | 36 | 27 | 4 9 | 4 6 | 4 3 | 4 5 | 8 31 | 9 0 | |
| 104 | 14 | Tu. | 19 | 41 | 21 | 39 | 23 | 37 | 28 | 4 34 | 4 32 | 4 31 | 4 34 | 9 23 | 9 49 | |
| 105 | 15 | Wd. | 17 | 43 | 19 | 40 | 22 | 38 | 29 | 4 58 | 4 58 | 4 58 | 5 2 | 10 14 | 10 39 | ☿ gr. elong. W. 28° 7h 35m P.M. |
| 106 | 16 | Th. | 16 | 44 | 18 | 41 | 20 | 39 | 0 | *sets.* | *sets.* | *sets.* | *sets.* | 11 5 | 11 29 | |
| 107 | 17 | Fri. | 14 | 45 | 16 | 42 | 19 | 40 | 1 | 8 31 | 8 26 | 8 22 | 8 29 | 11 58 | — | ♂ ♀ ☾ . . . . ♀ —1° 8h A.M. |
| 108 | 18 | Sat. | 12 | 46 | 15 | 43 | 17 | 41 | 2 | 9 52 | 9 46 | 9 40 | 9 46 | 0 21 | 0 53 | 17, ♂ ♂ ☾ . . . . ♂ —1° 10h 51m P.M. |
| 109 | 19 | **S.** | 11 | 47 | 13 | 45 | 16 | 42 | 3 | 11 8 | 11 1 | 10 54 | 10 59 | 1 15 | 1 48 | *2d Sunday after Easter.* |
| 110 | 20 | Mo. | 9 | 48 | 12 | 46 | 15 | 43 | 4 | morn. | morn. | 11 59 | morn. | 2 9 | 2 43 | |
| 111 | 21 | Tu. | 7 | 49 | 11 | 47 | 13 | 44 | 5 | 0 14 | 0 7 | morn. | 0 3 | 3 3 | 3 39 | |
| 112 | 22 | Wd. | 6 | 51 | 9 | 48 | 12 | 45 | 6 | 1 10 | 1 3 | 0 55 | 0 58 | 4 1 | 4 38 | |
| 113 | 23 | Th. | 4 | 52 | 7 | 49 | 11 | 46 | 7 | 1 53 | 1 47 | 1 40 | 1 42 | 5 2 | 5 41 | |
| 114 | 24 | Fri. | 3 | 53 | 6 | 50 | 9 | 47 | 8 | 2 27 | 2 22 | 2 16 | 2 17 | 6 8 | 6 46 | |
| 115 | 25 | Sat. | 2 | 54 | 4 | 51 | 8 | 47 | 9 | 2 54 | 2 50 | 2 46 | 2 47 | 7 12 | 7 47 | |
| 116 | 26 | **S.** | 5 0 | 55 | 3 | 52 | 7 | 48 | 10 | 3 16 | 3 14 | 3 10 | 3 12 | 8 11 | 8 40 | *3d Sunday after Easter.* |
| 117 | 27 | Mo. | 4 59 | 57 | 2 | 53 | 5 | 49 | 11 | 3 36 | 3 34 | 3 33 | 3 34 | 9 2 | 9 27 | ♂ ♃ ☾ . . . . ♃ —2° 6.50 A.M. |
| 118 | 28 | Tu. | 57 | 58 | 5 0 | 54 | 4 | 50 | 12 | 3 54 | 3 54 | 3 53 | 3 55 | 9 47 | 10 8 | |
| 119 | 29 | Wd. | 56 | 6 59 | 4 59 | 56 | 2 | 51 | 13 | 4 12 | 4 13 | 4 13 | 4 16 | 10 28 | 10 46 | |
| 120 | 30 | Th. | 4 54 | 7 0 | 4 58 | 6 57 | 5 1 | 6 52 | 14 | 4 31 | 4 33 | 4 35 | 4 39 | 11 6 | 11 22 | |

PHENOMENA.

*Moon's Phases.* d. h. m.
- ○ FULL MOON . . . . . 1 6 11 P.M.
- ☾ LAST QUARTER . . . . . 9 5 12 P.M.
- ● NEW MOON . . . . . 16 8 45 A.M.
- ☽ FIRST QUARTER . . . . . 23 6 55 A.M.



# MAY.

V Month.] **1874.** [31 Days.

| DAY of Year | of Month | of Week | THE SUN. Latitude of Boston. Rises. | Sets. | Latitude of New York. Rises. | Sets. | Latitude of Washington. Rises. | Sets. | THE MOON. Washington. Age at Noon. | Boston. Rises. | New York. Rises. | Washington. Rises. | San Fran. Rises. | HIGH TIDE. Boston. A.M. | P.M. | PHENOMENA. Washington. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | |
| 121 | 1 | Fri. | 4 53 | 7 1 | 4 56 | 6 58 | 5 0 | 6 53 | 15 | 7 17 | 7 13 | 7 9 | 7 14 | 11 43 | 11 58 | |
| 122 | 2 | Sat. | 51 | 3 | 55 | 6 59 | 4 59 | 54 | 16 | 8 22 | 8 17 | 8 12 | 8 17 | — | 0 21 | 3, ♂ ♀ ♂ . . . . ♀ 0° 11h 17m P.M. |
| 123 | 3 | **S.** | 50 | 4 | 54 | 7 0 | 57 | 56 | 17 | 9 29 | 9 22 | 9 16 | 9 20 | 0 34 | 0 58 | *4th Sunday after Easter.* |
| 124 | 4 | Mo. | 49 | 5 | 52 | 1 | 56 | 57 | 18 | 10 33 | 10 26 | 10 19 | 10 22 | 1 11 | 1 37 | □ ♄ ☉ 11h 19m A.M. |
| 125 | 5 | Tu. | 47 | 6 | 51 | 2 | 55 | 58 | 19 | 11 32 | 11 25 | 11 17 | 11 20 | 1 50 | 2 18 | |
| 126 | 6 | Wd. | 46 | 7 | 50 | 3 | 54 | 6 59 | 20 | morn. | morn. | morn. | morn. | 2 32 | 3 2 | |
| 127 | 7 | Th. | 45 | 8 | 49 | 4 | 53 | 7 0 | 21 | 0 23 | 0 16 | 0 9 | 0 11 | 3 18 | 3 51 | |
| 128 | 8 | Fri. | 43 | 9 | 48 | 5 | 52 | 1 | 22 | 1 6 | 1 0 | 0 53 | 0 55 | 4 11 | 4 47 | ♂ ♄ ☾ . . . . ♄ +5° 4h 3m P.M. |
| 129 | 9 | Sat. | 42 | 10 | 47 | 6 | 51 | 2 | 23 | 1 41 | 1 36 | 1 31 | 1 33 | 5 10 | 5 47 | |
| 130 | 10 | **S.** | 41 | 11 | 45 | 7 | 50 | 3 | 24 | 2 10 | 2 6 | 2 3 | 2 5 | 6 12 | 6 47 | *Rogation Sunday.* |
| 131 | 11 | Mo. | 40 | 12 | 44 | 8 | 49 | 3 | 25 | 2 35 | 2 33 | 2 31 | 2 34 | 7 12 | 7 44 | |
| 132 | 12 | Tu. | 39 | 13 | 43 | 9 | 48 | 4 | 26 | 2 59 | 2 58 | 2 58 | 3 1 | 8 9 | 8 37 | |
| 133 | 13 | Wd. | 38 | 14 | 42 | 10 | 47 | 5 | 27 | 3 22 | 3 23 | 3 24 | 3 29 | 9 3 | 9 28 | |
| 134 | 14 | Th. | 36 | 15 | 42 | 11 | 46 | 6 | 28 | 3 47 | 3 50 | 3 53 | 3 58 | 9 56 | 10 21 | ASCENSION DAY. |
| 135 | 15 | Fri. | 35 | 17 | 41 | 12 | 45 | 7 | 29 | sets. | sets. | sets. | sets. | 10 51 | 11 14 | |
| 136 | 16 | Sat. | 34 | 18 | 40 | 13 | 44 | 8 | 1 | 8 42 | 8 35 | 8 29 | 8 34 | 11 47 | — | ♂ ♂ ☾ . . . . ♂ —2° 6h 40m P.M. |
| 137 | 17 | **S.** | 33 | 19 | 39 | 14 | 43 | 9 | 2 | 9 55 | 9 48 | 9 41 | 9 45 | 0 8 | 0 42 | *1st Sunday after Ascension.* |
| 138 | 18 | Mo. | 33 | 20 | 38 | 15 | 42 | 10 | 3 | 10 58 | 10 51 | 10 43 | 10 46 | 1 3 | 1 37 | 17, ♂ ♀ ☾ . . . . ♀ —3° 6h 50m A.M. |
| 139 | 19 | Tu. | 32 | 21 | 37 | 16 | 42 | 11 | 4 | 11 48 | 11 41 | 11 34 | 11 36 | 1 56 | 2 31 | ♃ stationary 7h 40m A.M. |
| 140 | 20 | Wd. | 31 | 22 | 36 | 17 | 41 | 12 | 5 | morn. | morn. | morn. | morn. | 2 49 | 3 24 | |
| 141 | 21 | Th. | 30 | 23 | 35 | 18 | 40 | 13 | 6 | 0 26 | 0 20 | 0 14 | 0 16 | 3 43 | 4 18 | |
| 142 | 22 | Fri. | 29 | 24 | 34 | 19 | 39 | 14 | 7 | 0 56 | 0 52 | 0 47 | 0 48 | 4 39 | 5 14 | |
| 143 | 23 | Sat. | 28 | 25 | 33 | 20 | 39 | 14 | 8 | 1 21 | 1 17 | 1 14 | 1 15 | 5 37 | 6 10 | |
| 144 | 24 | **S.** | 28 | 26 | 33 | 20 | 38 | 15 | 9 | 1 41 | 1 39 | 1 37 | 1 38 | 6 33 | 7 5 | *Whit Sunday.* |
| 145 | 25 | Mo. | 27 | 27 | 32 | 21 | 37 | 16 | 10 | 2 0 | 1 59 | 1 58 | 2 0 | 7 28 | 7 56 | 24, ♂ ♃ ☾ . . . . ♃ —2° 0h 23m P.M. |
| 146 | 26 | Tu. | 26 | 27 | 31 | 22 | 37 | 17 | 11 | 2 22 | 2 22 | 2 22 | 2 24 | 8 18 | 8 43 | 24, ♄ stationary 10h 30m P.M. |
| 147 | 27 | Wd. | 26 | 28 | 31 | 23 | 36 | 18 | 12 | 2 36 | 2 37 | 2 39 | 2 42 | 9 6 | 9 28 | |
| 148 | 28 | Th. | 25 | 29 | 30 | 24 | 36 | 19 | 13 | 2 56 | 2 59 | 3 2 | 3 6 | 9 50 | 10 9 | |
| 149 | 29 | Fri. | 24 | 30 | 29 | 25 | 35 | 19 | 14 | 3 18 | 3 22 | 3 27 | 3 32 | 10 32 | 10 49 | 30, ♀ in Perihelion 10h 48m P.M. |
| 150 | 30 | Sat. | 24 | 31 | 29 | 25 | 35 | 20 | 15 | 3 46 | 3 51 | 3 56 | 4 1 | 11 14 | 11 29 | DECORATION DAY. |
| 151 | 31 | **S.** | 4 23 | 7 32 | 4 28 | 7 26 | 4 34 | 7 21 | 16 | 4 20 | 4 26 | 4 33 | 4 41 | 11 55 | — | *Trinity Sunday.* |

PHENOMENA.

*Moon's Phases.* d. h. m.

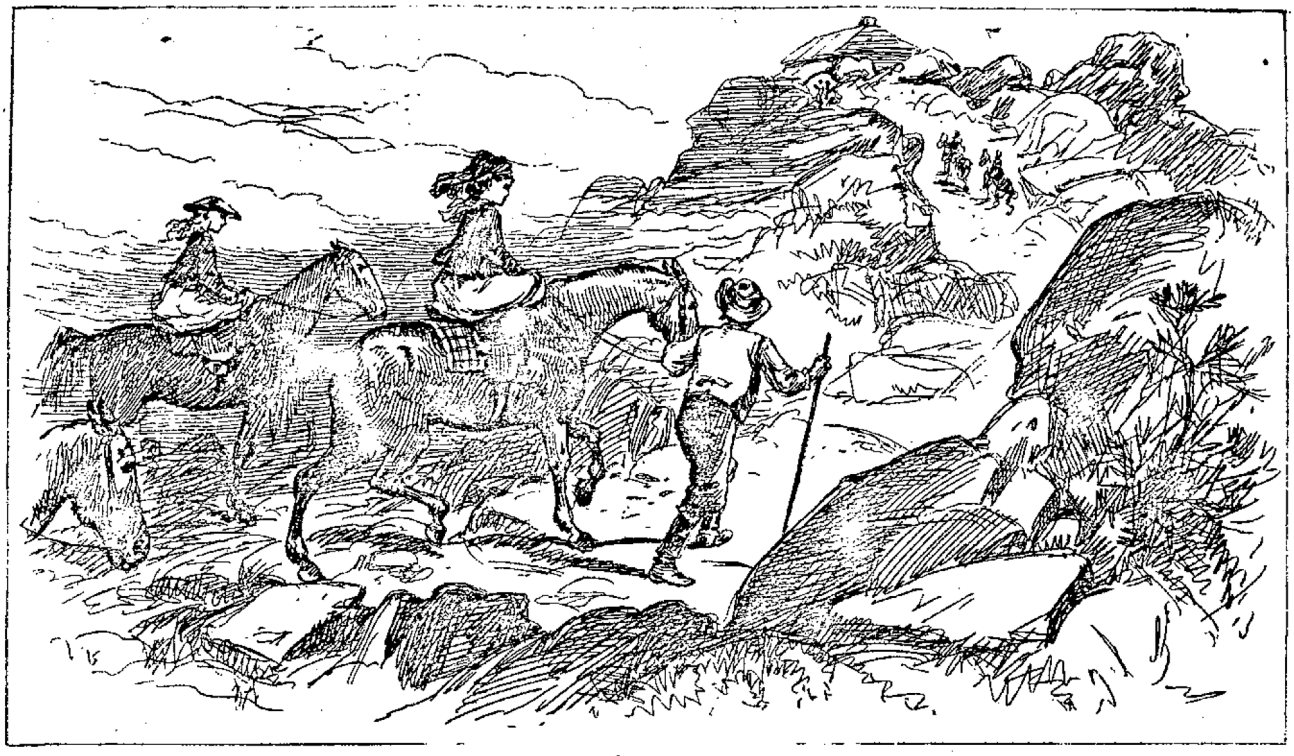
- ○ FULL MOON . . . . . 1 11 1 A.M.
- ☾ LAST QUARTER . . . . . 9 2 5 A.M.
- ● NEW MOON . . . . . 15 5 9 P.M.
- ☽ FIRST QUARTER . . . . . 22 10 11 P.M.
- ○ FULL MOON . . . . . 31 1 38 A.M.

# JUNE.

VI Month.] **1874.** [30 Days.

| DAY of Year. | of Month. | of Week. | THE SUN. Latitude of Boston. Rises. | Sets. | Latitude of New York. Rises. | Sets. | Latitude of Washington. Rises. | Sets. | THE MOON. Washington. Age at Noon. | Boston. Rises. | New York. Rises. | Washington. Rises. | San Fran. Rises. | HIGH TIDE. Boston. A.M. | P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | WASHINGTON. |
| 152 | 1 | Mo. | 4 23 | 7 32 | 4 28 | 7 27 | 4 34 | 7 22 | 17 | 9 26 | 9 19 | 9 11 | 9 14 | 0 9 | 0 36 | |
| 153 | 2 | Tu. | 23 | 33 | 28 | 27 | 33 | 22 | 18 | 10 21 | 10 13 | 10 6 | 10 9 | 0 49 | 1 17 | |
| 154 | 3 | Wd. | 22 | 34 | 27 | 28 | 33 | 23 | 19 | 11 6 | 11 0 | 10 53 | 10 55 | 1 31 | 2 1 | |
| 155 | 4 | Th. | 22 | 35 | 27 | 29 | 33 | 23 | 20 | 11 43 | 11 38 | 11 32 | 11 34 | 2 15 | 2 46 | ♂ ♄ ☾ . . . . ♄ +5° 9ʰ 46ᵐ P.M. |
| 156 | 5 | Fri. | 22 | 35 | 26 | 30 | 32 | 24 | 21 | morn. | morn. | morn. | morn. | 3 2 | 3 34 | |
| 157 | 6 | Sat. | 21 | 36 | 26 | 30 | 32 | 24 | 22 | 0 13 | 0 10 | 0 6 | 0 7 | 3 53 | 4 26 | |
| 158 | 7 | **S.** | 21 | 37 | 26 | 31 | 32 | 25 | 23 | 0 39 | 0 37 | 0 34 | 0 36 | 4 48 | 5 21 | 1st *Sunday after Trinity.* |
| 159 | 8 | Mo. | 20 | 37 | 26 | 31 | 32 | 25 | 24 | 1 2 | 1 1 | 1 0 | 1 3 | 5 45 | 6 17 | |
| 160 | 9 | Tu. | 20 | 38 | 25 | 32 | 31 | 26 | 25 | 1 25 | 1 26 | 1 26 | 1 30 | 6 43 | 7 14 | |
| 161 | 10 | Wd. | 20 | 39 | 25 | 33 | 31 | 27 | 26 | 1 48 | 1 50 | 1 52 | 1 57 | 7 41 | 8 9 | |
| 162 | 11 | Th. | 19 | 39 | 25 | 33 | 31 | 27 | 27 | 2 15 | 2 18 | 2 22 | 2 28 | 8 39 | 9 6 | |
| 163 | 12 | Fri. | 19 | 40 | 25 | 34 | 31 | 28 | 28 | 2 46 | 2 51 | 2 56 | 3 4 | 9 38 | 10 2 | |
| 164 | 13 | Sat. | 19 | 40 | 24 | 34 | 31 | 28 | 29 | 3 24 | 3 31 | 3 37 | 3 47 | 10 36 | 10 58 | □ ♃ ☉ 10ʰ 6ᵐ P.M. |
| 165 | 14 | **S.** | 19 | 41 | 24 | 35 | 31 | 28 | 0 | *sets.* | *sets.* | *sets.* | *sets.* | 11 33 | 11 53 | 2d *Sunday after Trinity.* |
| 166 | 15 | Mo. | 19 | 41 | 24 | 35 | 31 | 29 | 1 | 9 37 | 9 30 | 9 22 | 9 25 | — | 0 28 | 14, ♂ ♂ ☾ . . . . ♂ —3° 0ʰ 51ᵐ P.M. |
| 167 | 16 | Tu. | 19 | 41 | 25 | 35 | 31 | 29 | 2 | 10 21 | 10 15 | 10 8 | 10 10 | 0 46 | 1 19 | ♂ ♀ ☾ . . . . ♀ —3° 6ʰ 13ᵐ A.M. |
| 168 | 17 | Wd. | 19 | 42 | 25 | 36 | 31 | 30 | 3 | 10 55 | 10 50 | 10 45 | 10 46 | 1 37 | 2 9 | |
| 169 | 18 | Th. | 20 | 42 | 25 | 36 | 31 | 30 | 4 | 11 22 | 11 18 | 11 15 | 11 16 | 2 24 | 2 55 | |
| 170 | 19 | Fri. | 20 | 42 | 25 | 36 | 32 | 31 | 5 | 11 45 | 11 42 | 11 39 | 11 41 | 3 12 | 3 43 | |
| 171 | 20 | Sat. | 20 | 42 | 26 | 37 | 32 | 31 | 6 | morn. | morn. | morn. | morn. | 4 1 | 4 30 | ♂ ♃ ☾ . . . . ♃ —2° 11ʰ 24ᵐ P.M. |
| 172 | 21 | **S.** | 20 | 43 | 26 | 37 | 32 | 31 | 7 | 0 4 | 0 3 | 0 1 | 0 3 | 4 50 | 5 19 | 3d *Sun. after Trinity.* [10ʰ 0ᵐ A.M. |
| 173 | 22 | Mo. | 21 | 43 | 26 | 37 | 32 | 31 | 8 | 0 22 | 0 22 | 0 22 | 0 24 | 5 41 | 6 9 | 21, ☉ enters ♋ SUMMER [TIME |
| 174 | 23 | Tu. | 21 | 43 | 27 | 37 | 33 | 31 | 9 | 0 40 | 0 41 | 0 43 | 0 46 | 6 32 | 6 59 | 21, ♀ gr. Hel. lat. N. 9ʰ 20ᵐ P.M. |
| 175 | 24 | Wd. | 21 | 43 | 27 | 37 | 33 | 31 | 10 | 0 59 | 1 2 | 1 4 | 1 8 | 7 23 | 7 49 | |
| 176 | 25 | Th. | 22 | 43 | 27 | 38 | 33 | 31 | 11 | 1 21 | 1 24 | 1 28 | 1 33 | 8 15 | 8 38 | |
| 177 | 26 | Fri. | 22 | 43 | 28 | 38 | 34 | 31 | 12 | 1 46 | 1 51 | 1 56 | 2 2 | 9 4 | 9 25 | |
| 178 | 27 | Sat. | 22 | 43 | 28 | 38 | 34 | 31 | 13 | 2 17 | 2 23 | 2 29 | 2 37 | 9 52 | 10 10 | |
| 179 | 28 | **S.** | 23 | 43 | 28 | 37 | 35 | 31 | 14 | 2 57 | 3 4 | 3 11 | 3 20 | 10 38 | 10 55 | 4th *Sunday after Trinity.* |
| 180 | 29 | Mo. | 23 | 43 | 29 | 37 | 35 | 31 | 15 | *rises.* | *rises.* | *rises.* | *rises.* | 11 24 | 11 39 | 28, ☿ gr. elong. E. 26° 2ʰ 20ᵐ A.M. |
| 181 | 30 | Tu. | 4 24 | 7 43 | 4 29 | 7 37 | 4 36 | 7 31 | 16 | 9 3 | 8 56 | 8 50 | 8 52 | — | 0 8 | |

*Moon's Phases.* d. h. m.
☾ LAST QUARTER . . . . . 7 8 10 A.M.
● NEW MOON . . . . . 14 1 44 A.M.
☽ FIRST QUARTER . . . . . 21 2 52 P.M.
○ FULL MOON . . . . . 29 1 40 P.M.

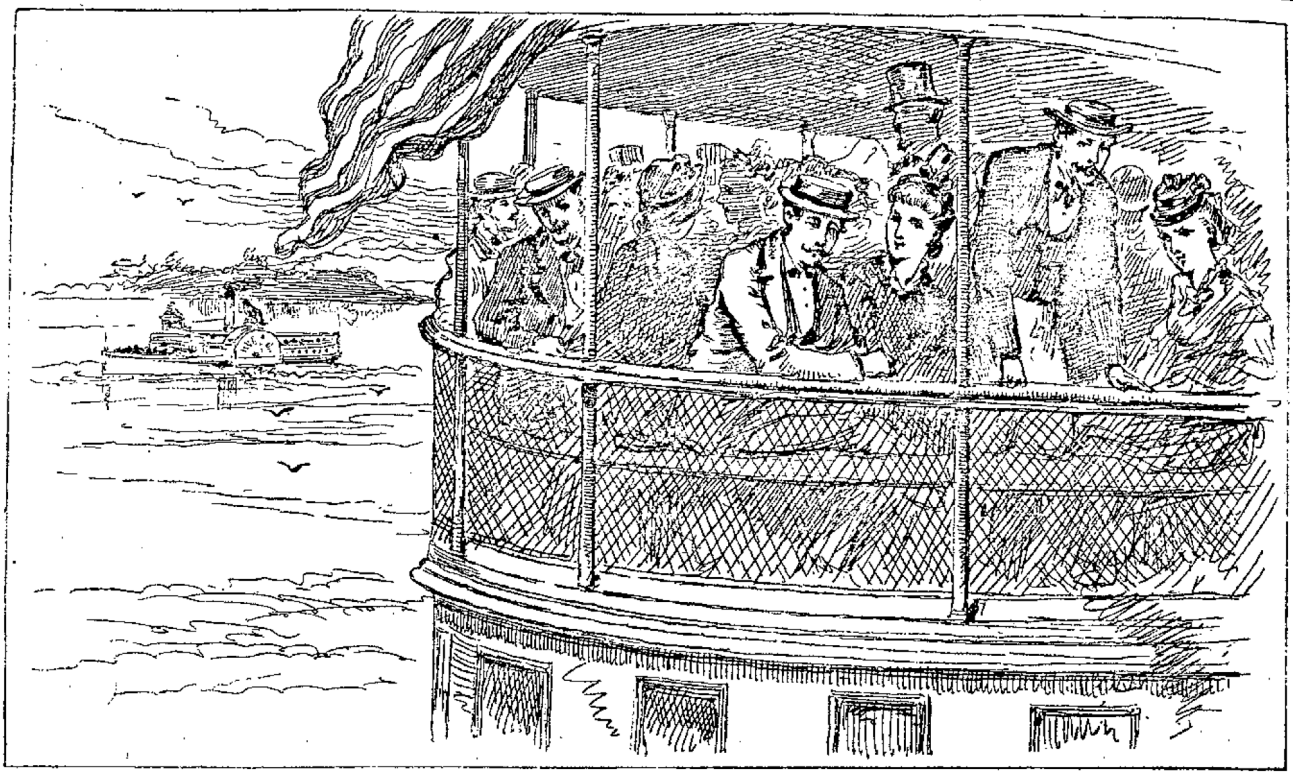


# JULY.

VII Month.] **1874.** [31 Days.

| DAY of Year. | DAY of Month. | DAY of Week. | THE SUN. Latitude of Boston. Rises. | Latitude of Boston. Sets. | Latitude of New York. Rises. | Latitude of New York. Sets. | Latitude of Washington. Rises. | Latitude of Washington. Sets. | THE MOON. Washington. Age at Noon. | Boston. Rises. | New York. Rises. | Washington. Rises. | San Fran. Rises. | HIGH TIDE. Boston. A.M. | Boston. P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | Washington. |
| 182 | 1 | Wd. | 4 24 | 7 43 | 4 30 | 7 37 | 4 36 | 7 31 | 17 | 9 43 | 9 38 | 9 32 | 9 33 | 0 22 | 0 52 | ♂ ♄ ☾ . . . . ♄ +4° 4h 3m P.M. |
| 183 | 2 | Th. | 25 | 43 | 31 | 37 | 36 | 31 | 18 | 10 16 | 10 12 | 10 7 | 10 9 | 1 6 | 1 37 | |
| 184 | 3 | Fri. | 25 | 42 | 31 | 37 | 37 | 31 | 19 | 10 43 | 10 41 | 10 38 | 10 40 | 1 52 | 2 21 | ☉ in Apogee 5h 28m P.M. |
| 185 | 4 | Sat. | 26 | 42 | 32 | 37 | 37 | 31 | 20 | 11 7 | 11 6 | 11 5 | 11 7 | 2 38 | 3 7 | |
| 186 | 5 | S. | 26 | 42 | 32 | 36 | 38 | 30 | 21 | 11 30 | 11 30 | 11 30 | 11 33 | 3 27 | 3 57 | *5th Sunday after Trinity.* |
| 187 | 6 | Mo. | 27 | 42 | 33 | 36 | 38 | 30 | 22 | 11 52 | 11 54 | 11 56 | 12 0 | 4 19 | 4 50 | 5, ♂ ♂ ☉ 8h 48m P.M. |
| 188 | 7 | Tu. | 28 | 41 | 33 | 36 | 39 | 30 | 23 | morn. | morn. | morn. | morn. | 5 15 | 5 46 | |
| 189 | 8 | Wd. | 28 | 41 | 34 | 35 | 40 | 30 | 24 | 0 17 | 0 20 | 0 23 | 0 29 | 6 14 | 6 45 | |
| 190 | 9 | Th. | 29 | 41 | 34 | 35 | 40 | 29 | 25 | 0 45 | 0 50 | 0 54 | 1 1 | 7 16 | 7 45 | |
| 191 | 10 | Fri. | 30 | 40 | 35 | 35 | 41 | 29 | 26 | 1 20 | 1 26 | 1 32 | 1 41 | 8 18 | 8 46 | |
| 192 | 11 | Sat. | 30 | 40 | 35 | 34 | 42 | 29 | 27 | 2 3 | 2 10 | 2 17 | 2 28 | 9 21 | 9 47 | |
| 193 | 12 | S. | 31 | 39 | 36 | 34 | 42 | 28 | 28 | 2 57 | 3 5 | 3 12 | 3 25 | 10 22 | 10 44 | *6th Sunday after Trinity.* |
| 194 | 13 | Mo. | 32 | 39 | 37 | 33 | 43 | 28 | 0 | *sets.* | *sets.* | *sets.* | *sets.* | 11 18 | 11 37 | ♂ ♂ ☾ . . . . ♂ −4° 5h 46m A.M. |
| 195 | 14 | Tu. | 33 | 38 | 38 | 33 | 44 | 27 | 1 | 8 52 | 8 47 | 8 41 | 8 43 | — | 0 9 | |
| 196 | 15 | Wd. | 34 | 38 | 39 | 32 | 45 | 27 | 2 | 9 22 | 9 18 | 9 14 | 9 15 | 0 26 | 0 56 | |
| 197 | 16 | Th. | 35 | 37 | 40 | 31 | 46 | 26 | 3 | 9 46 | 9 43 | 9 40 | 9 42 | 1 11 | 1 39 | ♂ ♀ ☾ . . . . ♀ −3° 8h 34m A.M. |
| 198 | 17 | Fri. | 36 | 36 | 40 | 31 | 46 | 26 | 4 | 10 7 | 10 5 | 10 4 | 10 5 | 1 54 | 2 21 | |
| 199 | 18 | Sat. | 36 | 35 | 41 | 30 | 47 | 25 | 5 | 10 26 | 10 25 | 10 25 | 10 27 | 2 36 | 3 1 | ♂ ♃ ☾ . . . . ♃ −2° 2h 40m P.M. |
| 200 | 19 | S. | 37 | 35 | 42 | 29 | 48 | 24 | 6 | 10 44 | 10 44 | 10 45 | 10 48 | 3 17 | 3 41 | *7th Sunday after Trinity.* |
| 201 | 20 | Mo. | 38 | 34 | 43 | 28 | 49 | 23 | 7 | 11 2 | 11 4 | 11 6 | 11 10 | 4 0 | 4 24 | |
| 202 | 21 | Tu. | 39 | 33 | 44 | 28 | 50 | 23 | 8 | 11 23 | 11 26 | 11 29 | 11 34 | 4 45 | 5 10 | |
| 203 | 22 | Wd. | 40 | 32 | 45 | 27 | 50 | 22 | 9 | 11 46 | 11 50 | 11 55 | morn. | 5 35 | 6 1 | |
| 204 | 23 | Th. | 41 | 31 | 46 | 27 | 51 | 21 | 10 | morn. | morn. | morn. | 0 1 | 6 28 | 6 54 | |
| 205 | 24 | Fri. | 42 | 30 | 47 | 26 | 52 | 20 | 11 | 0 14 | 0 20 | 0 25 | 0 33 | 7 24 | 7 49 | |
| 206 | 25 | Sat. | 43 | 29 | 48 | 25 | 53 | 19 | 12 | 0 50 | 0 56 | 1 3 | 1 12 | 8 20 | 8 44 | |
| 207 | 26 | S. | 44 | 28 | 49 | 24 | 54 | 18 | 13 | 1 35 | 1 42 | 1 50 | 2 0 | 9 15 | 9 35 | *8th Sunday after Trinity.* |
| 208 | 27 | Mo. | 45 | 27 | 50 | 23 | 55 | 17 | 14 | 2 32 | 2 39 | 2 47 | 2 58 | 10 6 | 10 25 | |
| 209 | 28 | Tu. | 46 | 26 | 51 | 22 | 56 | 16 | 15 | *rises.* | *rises.* | *rises.* | *rises.* | 10 55 | 11 12 | |
| 210 | 29 | Wd. | 47 | 25 | 52 | 21 | 56 | 15 | 16 | 8 16 | 8 11 | 8 6 | 8 8 | 11 41 | 11 56 | ♂ ♄ ☾ . . . . ♄ +4° 7h A.M. |
| 211 | 30 | Th. | 48 | 24 | 53 | 20 | 57 | 14 | 17 | 8 40 | 8 37 | 8 34 | 8 36 | — | 0 24 | |
| 212 | 31 | Fri. | 4 49 | 7 23 | 4 54 | 7 19 | 4 58 | 7 13 | 18 | 9 11 | 9 9 | 9 7 | 9 10 | 0 40 | 1 8 | |

*Moon's Phases.* d. h. m.
☾ Last Quarter . . . . . 6 0 54 P.M.
● New Moon . . . . . 13 11 20 A.M.
☽ First Quarter . . . . . 21 8 23 A.M.
○ Full Moon . . . . . 28 11 35 P.M.



# AUGUST.

VIII Month.] **1874.** [31 Days.

| DAY of Year | DAY of Month | DAY of Week | THE SUN. Latitude of Boston. Rises. | Latitude of Boston. Sets. | Latitude of New York. Rises. | Latitude of New York. Sets. | Latitude of Washington. Rises. | Latitude of Washington. Sets. | THE MOON. Washington. Age at Noon. | Boston. Rises. | New York. Rises. | Washington. Rises. | San Fran. Rises. | HIGH TIDE. Boston. A.M. | Boston. P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | Washington. |
| 213 | 1 | Sat. | 4 50 | 7 21 | 4 55 | 7 18 | 4 59 | 7 12 | 19 | 9 34 | 9 34 | 9 33 | 9 37 | 1 25 | 1 53 | |
| 214 | 2 | S. | 52 | 20 | 56 | 17 | 5 0 | 11 | 20 | 9 57 | 9 58 | 9 59 | 10 3 | 2 13 | 2 40 | 9th Sunday after Trinity. |
| 215 | 3 | Mo. | 53 | 19 | 57 | 15 | 1 | 10 | 21 | 10 21 | 10 24 | 10 26 | 10 31 | 3 2 | 3 29 | ♂ ♄ ☉ 8h 25m A.M. |
| 216 | 4 | Tu. | 54 | 18 | 58 | 14 | 2 | 9 | 22 | 10 48 | 10 52 | 10 56 | 11 3 | 3 55 | 4 23 | |
| 217 | 5 | Wd. | 55 | 17 | 4 59 | 13 | 3 | 8 | 23 | 11 20 | 11 25 | 11 31 | 11 39 | 4 53 | 5 22 | |
| 218 | 6 | Th. | 56 | 15 | 5 0 | 12 | 3 | 7 | 24 | 12 0 | morn. | morn. | morn. | 5 55 | 6 25 | |
| 219 | 7 | Fri. | 57 | 14 | 1 | 10 | 4 | 6 | 25 | morn. | 0 6 | 0 13 | 0 23 | 7 1 | 7 32 | |
| 220 | 8 | Sat. | 58 | 13 | 2 | 9 | 5 | 5 | 26 | 0 49 | 0 56 | 1 4 | 1 15 | 8 9 | 8 38 | |
| 221 | 9 | S. | 4 59 | 12 | 3 | 8 | 6 | 4 | 27 | 1 48 | 1 56 | 2 3 | 2 15 | 9 14 | 9 40 | 10th Sunday after Trinity. |
| 222 | 10 | Mo. | 5 0 | 10 | 4 | 6 | 7 | 3 | 28 | 2 55 | 3 1 | 3 8 | 3 20 | 10 14 | 10 35 | ♂ ♂ ☾ .... ♂ —4° 10h 5m P.M. |
| 223 | 11 | Tu. | 1 | 9 | 5 | 5 | 8 | 2 | 29 | sets. | sets. | sets. | sets. | 11 5 | 11 23 | |
| 224 | 12 | Wd. | 2 | 7 | 6 | 4 | 9 | 7 0 | 1 | 7 49 | 7 46 | 7 42 | 7 43 | 11 51 | — | ♂ ♀ ♃ .... ♀ —1° 6h 56m P.M. |
| 225 | 13 | Th. | 3 | 6 | 7 | 2 | 10 | 6 59 | 2 | 8 11 | 8 8 | 8 7 | 8 7 | 0 7 | 0 32 | ☿ gr. elong. W. 19° 8h 54m A.M. |
| 226 | 14 | Fri. | 5 | 4 | 8 | 7 1 | 11 | 57 | 3 | 8 30 | 8 29 | 8 28 | 8 30 | 0 47 | 1 10 | 15, ♂ ♀ ☾ .... ♀ —2° 1h 50m P.M. |
| 227 | 15 | Sat. | 6 | 3 | 9 | 6 59 | 12 | 56 | 4 | 8 48 | 8 48 | 8 48 | 8 51 | 1 26 | 1 48 | ♂ ♃ ☾ .... ♃ —1° 8h 23m A.M. |
| 228 | 16 | S. | 7 | 1 | 10 | 58 | 13 | 54 | 5 | 9 6 | 9 7 | 9 9 | 9 12 | 2 3 | 2 23 | 11th Sunday after Trinity. |
| 229 | 17 | Mo. | 8 | 7 0 | 11 | 57 | 14 | 53 | 6 | 9 25 | 9 28 | 9 31 | 9 35 | 2 41 | 3 1 | |
| 230 | 18 | Tu. | 9 | 6 58 | 12 | 55 | 15 | 52 | 7 | 9 47 | 9 51 | 9 55 | 10 0 | 3 20 | 3 40 | |
| 231 | 19 | Wd. | 10 | 57 | 13 | 54 | 16 | 50 | 8 | 10 12 | 10 17 | 10 23 | 10 32 | 4 2 | 4 24 | |
| 232 | 20 | Th. | 11 | 55 | 14 | 52 | 17 | 49 | 9 | 10 44 | 10 50 | 10 57 | 11 5 | 4 51 | 5 14 | |
| 233 | 21 | Fri. | 12 | 53 | 15 | 50 | 18 | 48 | 10 | 11 24 | 11 31 | 11 39 | 11 49 | 5 44 | 6 10 | |
| 234 | 22 | Sat. | 13 | 52 | 16 | 49 | 19 | 46 | 11 | morn. | morn. | morn. | morn. | 6 44 | 7 11 | |
| 235 | 23 | S. | 15 | 50 | 17 | 47 | 20 | 45 | 12 | 0 15 | 0 23 | 0 30 | 0 41 | 7 48 | 8 14 | 12th Sunday after Trinity. |
| 236 | 24 | Mo. | 16 | 49 | 18 | 46 | 21 | 43 | 13 | 1 17 | 1 24 | 1 32 | 1 44 | 8 48 | 9 11 | |
| 237 | 25 | Tu. | 17 | 47 | 19 | 44 | 22 | 42 | 14 | 2 29 | 2 35 | 2 41 | 2 54 | 9 42 | 10 2 | ♂ ♄ ☾ .... ♄ +4° 1h 22m P.M. |
| 238 | 26 | Wd. | 18 | 45 | 20 | 43 | 23 | 41 | 15 | 3 46 | 3 51 | 3 54 | 4 8 | 10 30 | 10 47 | |
| 239 | 27 | Th. | 19 | 44 | 21 | 41 | 24 | 39 | 16 | rises. | rises. | rises. | rises. | 11 14 | 11 31 | |
| 240 | 28 | Fri. | 20 | 42 | 22 | 40 | 24 | 38 | 17 | 7 36 | 7 35 | 7 34 | 7 37 | 11 57 | — | |
| 241 | 29 | Sat. | 21 | 41 | 23 | 38 | 25 | 36 | 18 | 7 59 | 8 0 | 8 1 | 8 5 | 0 17 | 0 42 | |
| 242 | 30 | S. | 22 | 39 | 24 | 36 | 26 | 34 | 19 | 8 23 | 8 25 | 8 28 | 8 33 | 1 5 | 1 30 | 13th Sunday after Trinity. |
| 243 | 31 | Mo. | 5 23 | 6 37 | 5 25 | 6 35 | 5 27 | 6 33 | 20 | 8 50 | 8 53 | 8 57 | 9 3 | 1 55 | 2 20 | |

**PHENOMENA.**

| *Moon's Phases.* | d. | h. | m. | |
|---|---|---|---|---|
| ☾ Last Quarter | 4 | 5 | 39 | P.M. |
| ● New Moon | 11 | 10 | 52 | P.M. |
| ☽ First Quarter | 20 | 1 | 45 | A.M. |
| ○ Full Moon | 27 | 8 | 21 | A.M. |

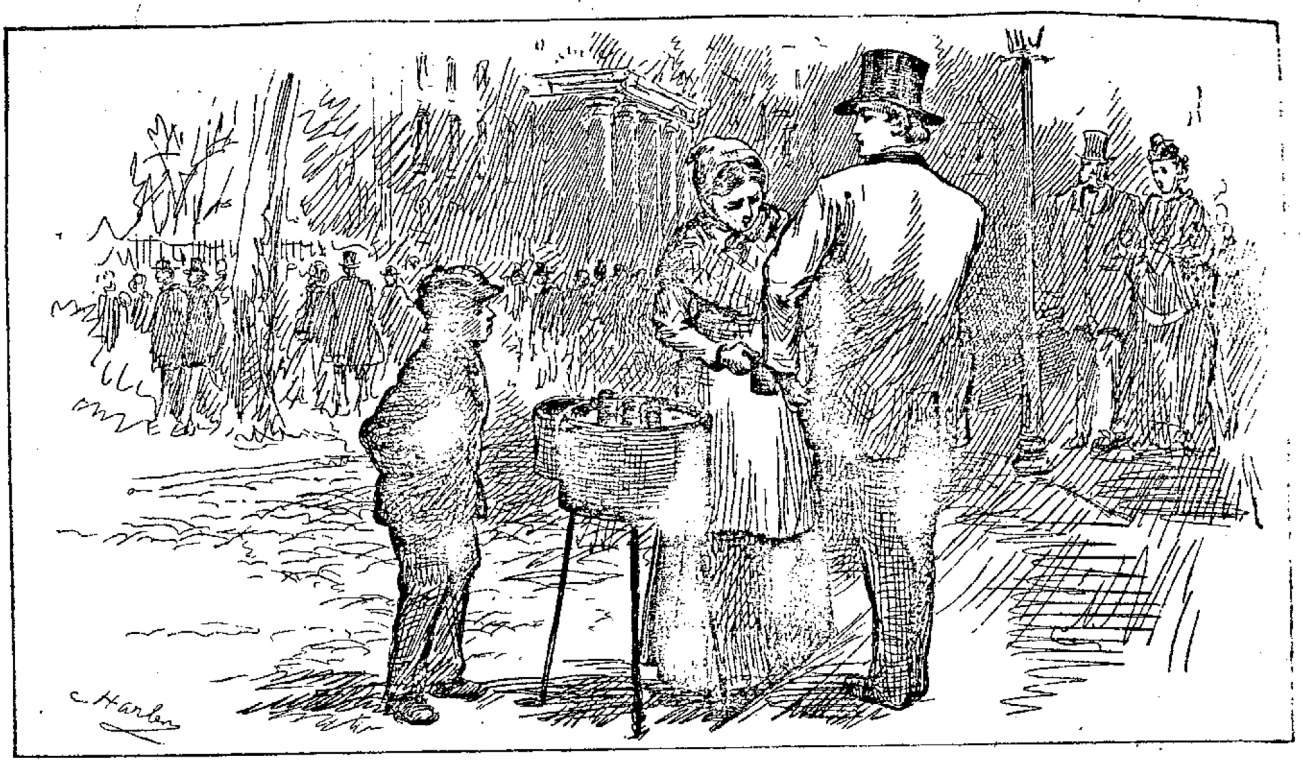
# SEPTEMBER.

IX Month.] **1874.** [30 Days.

| DAY of Year. | of Month. | of Week. | THE SUN. Latitude of Boston. Rises. | Sets. | Latitude of New York. Rises. | Sets. | Latitude of Washington. Rises. | Sets. | THE MOON. Washington. Age at Noon. | Boston. Rises. | New York. Rises. | Washington. Rises. | San Fran. Rises. | HIGH TIDE. Boston. A.M. | P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | WASHINGTON. |
| 244 | 1 | Tu. | 5 24 | 6 35 | 5 26 | 6 33 | 5 28 | 6 31 | 21 | 9 20 | 9 26 | 9 31 | 9 39 | 2 47 | 3 12 | |
| 245 | 2 | Wd. | 25 | 34 | 27 | 31 | 29 | 30 | 22 | 9 58 | 10 5 | 10 11 | 10 21 | 3 43 | 4 9 | |
| 246 | 3 | Th. | 26 | 32 | 28 | 30 | 30 | 29 | 23 | 10 45 | 10 52 | 10 59 | 11 10 | 4 42 | 5 10 | |
| 247 | 4 | Fri. | 27 | 30 | 29 | 28 | 31 | 27 | 24 | 11 41 | 11 48 | 11 56 | morn. | 5 48 | 6 17 | |
| 248 | 5 | Sat. | 29 | 29 | 30 | 27 | 32 | 25 | 25 | morn. | morn. | morn. | 0 8 | 6 58 | 7 30 | |
| 249 | 6 | S. | 30 | 27 | 31 | 25 | 33 | 24 | 26 | 0 45 | 0 52 | 0 59 | 1 11 | 8 9 | 8 37 | *14th Sunday after Trinity.* |
| 250 | 7 | Mo. | 31 | 25 | 32 | 24 | 34 | 22 | 27 | 1 53 | 1 59 | 2 5 | 2 17 | 9 13 | 9 36 | |
| 251 | 8 | Tu. | 32 | 23 | 33 | 22 | 35 | 20 | 28 | 3 2 | 3 7 | 3 12 | 3 22 | 10 6 | 10 26 | ♂ ♂ ☾ . . . . ♂ —4° 2ʰ 41ᵐ P.M. |
| 252 | 9 | Wd. | 33 | 22 | 34 | 20 | 36 | 19 | 29 | 4 9 | 4 12 | 4 16 | 4 26 | 10 52 | 11 9 | |
| 253 | 10 | Th. | 34 | 20 | 35 | 18 | 37 | 17 | 0 | *sets.* | *sets.* | *sets.* | *sets.* | 11 33 | 11 49 | |
| 254 | 11 | Fri. | 35 | 18 | 36 | 17 | 37 | 15 | 1 | 6 53 | 6 53 | 6 54 | 6 55 | — | 0 10 | |
| 255 | 12 | Sat. | 36 | 16 | 37 | 15 | 38 | 14 | 2 | 7 11 | 7 12 | 7 13 | 7 16 | 0 26 | 0 45 | ♂ ♃ ☾ . . . . ♃ —1° 3ʰ 5ᵐ A.M. |
| 256 | 13 | S. | 37 | 14 | 38 | 13 | 39 | 12 | 3 | 7 30 | 7 32 | 7 34 | 7 38 | 1 3 | 1 20 | *15th Sunday after Trinity.* |
| 257 | 14 | Mo. | 38 | 12 | 39 | 11 | 40 | 10 | 4 | 7 50 | 7 53 | 7 57 | 8 2 | 1 39 | 1 55 | ♂ ♀ ☾ . . . . ♀ —1° 5ʰ 11ᵐ P.M. |
| 258 | 15 | Tu. | 40 | 11 | 40 | 9 | 41 | 8 | 5 | 8 14 | 8 18 | 8 23 | 8 30 | 2 15 | 2 30 | |
| 259 | 16 | Wd. | 41 | 9 | 41 | 8 | 42 | 7 | 6 | 8 42 | 8 48 | 8 54 | 9 2 | 2 52 | 3 8 | |
| 260 | 17 | Th. | 42 | 7 | 42 | 6 | 43 | 5 | 7 | 9 18 | 9 25 | 9 32 | 9 41 | 3 33 | 3 51 | |
| 261 | 18 | Fri. | 43 | 5 | 43 | 4 | 44 | 3 | 8 | 10 3 | 10 11 | 10 18 | 10 29 | 4 19 | 4 40 | |
| 262 | 19 | Sat. | 44 | 3 | 45 | 2 | 45 | 2 | 9 | 10 59 | 11 6 | 11 14 | 11 26 | 5 14 | 5 39 | *20, ♀ in Aphelion 5ʰ 16ᵐ A.M.* |
| 263 | 20 | S. | 45 | 6 1 | 46 | 6 0 | 46 | 6 0 | 10 | morn. | morn. | morn. | morn. | 6 18 | 6 46 | *16th Sunday after Trinity.* |
| 264 | 21 | Mo. | 46 | 5 59 | 47 | 5 59 | 47 | 5 58 | 11 | 0 5 | 0 12 | 0 19 | 0 31 | 7 26 | 7 51 | ♂ Gr. Hel. lat. N. 9ʰ 27ᵐ A.M. |
| 265 | 22 | Tu. | 47 | 57 | 48 | 57 | 48 | 56 | 12 | 1 19 | 1 24 | 1 30 | 1 42 | 8 26 | 8 48 | 21, ♂ ♄ ☾ . . . . ♄ +4° 9ʰ 6ᵐ P.M. |
| 266 | 23 | Wd. | 49 | 55 | 49 | 55 | 49 | 55 | 13 | 2 36 | 2 40 | 2 45 | 2 56 | 9 18 | 9 38 | ☉ enters ♎ AUTUMN COM. |
| 267 | 24 | Th. | 50 | 53 | 50 | 53 | 50 | 53 | 14 | 3 55 | 3 58 | 4 0 | 4 11 | 10 4 | 10 24 | [0ʰ 15ᵐ A.M. |
| 268 | 25 | Fri. | 51 | 51 | 51 | 51 | 51 | 51 | 15 | *rises.* | *rises.* | *rises.* | *rises.* | 10 49 | 11 10 | |
| 269 | 26 | Sat. | 52 | 49 | 52 | 50 | 52 | 50 | 16 | 6 23 | 6 25 | 6 26 | 6 31 | 11 34 | 11 59 | |
| 270 | 27 | S. | 53 | 47 | 53 | 48 | 52 | 48 | 17 | 6 49 | 6 52 | 6 55 | 7 1 | — | 0 22 | *17th Sunday after Trinity.* |
| 271 | 28 | Mo. | 54 | 45 | 54 | 46 | 53 | 46 | 18 | 7 19 | 7 23 | 7 28 | 7 36 | 0 50 | 1 14 | |
| 272 | 29 | Tu. | 55 | 43 | 55 | 44 | 54 | 45 | 19 | 7 55 | 8 1 | 8 7 | 8 16 | 1 43 | 2 6 | ♀ gr. elong. E. 47° 10ʰ A.M. |
| 273 | 30 | Wd. | 5 56 | 5 41 | 5 56 | 5 42 | 5 55 | 5 43 | 20 | 8 39 | 8 46 | 8 54 | 9 4 | 2 38 | 3 2 | |

*Moon's Phases.* d. h. m.

☾ LAST QUARTER . . . . . 2 11 46 P.M.
● NEW MOON . . . . . 10 1 2 P.M.
☽ FIRST QUARTER . . . . . 18 5 57 P.M.
○ FULL MOON . . . . . 25 4 59 P.M.



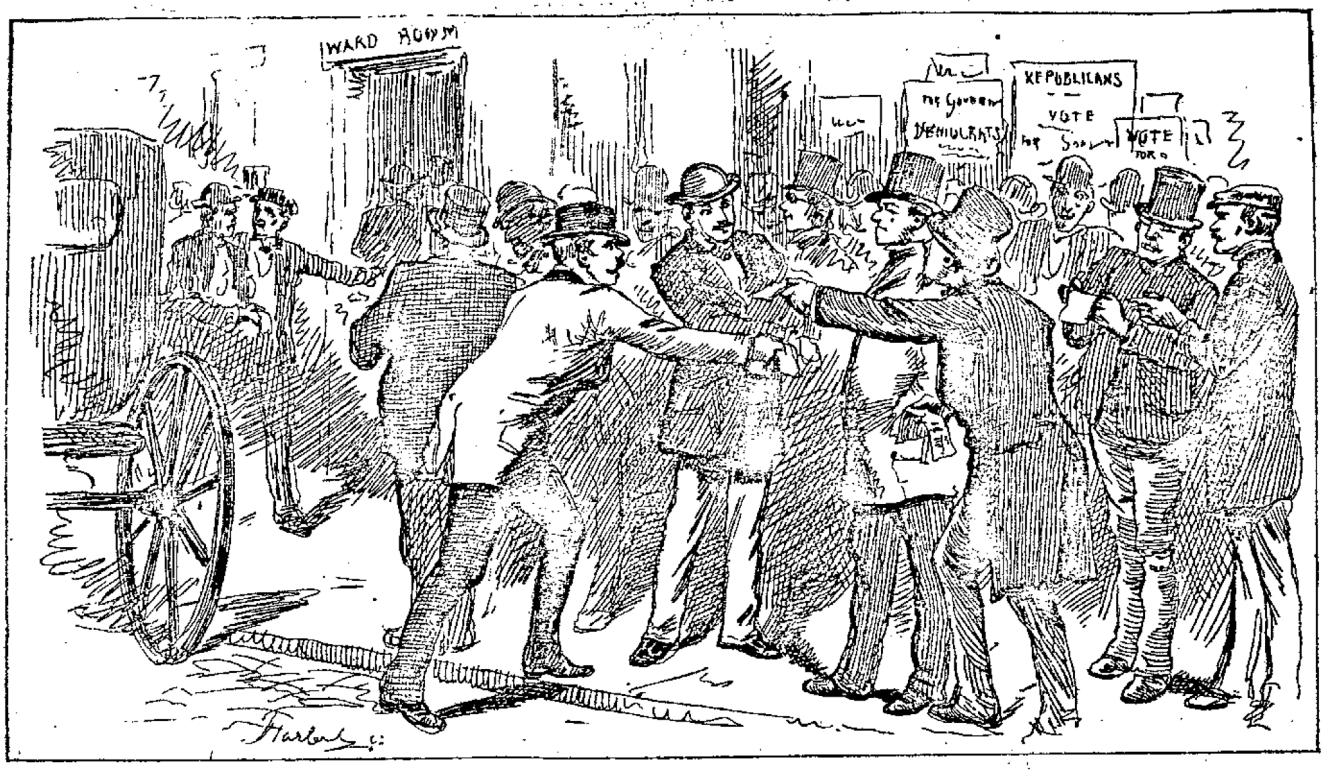
# OCTOBER.

X Month.] **1874.** [31 Days.

| DAY of Year. | DAY of Month. | DAY of Week. | THE SUN. Latitude of Boston. Rises. | Latitude of Boston. Sets. | Latitude of New York. Rises. | Latitude of New York. Sets. | Latitude of Washington. Rises. | Latitude of Washington. Sets. | THE MOON. Washington. Age at Noon. | Boston. Rises. | New York. Rises. | Washington. Rises. | San Fran. Rises. | HIGH TIDE. Boston. A.M. | P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | WASHINGTON. |
| 274 | 1 | Th. | 5 57 | 5 40 | 5 57 | 5 40 | 5 56 | 5 42 | 21 | 9 34 | 9 41 | 9 49 | 10 1 | 3 36 | 4 0 | |
| 275 | 2 | Fri. | 5 58 | 38 | 58 | 39 | 57 | 40 | 22 | 10 37 | 10 44 | 10 51 | 11 3 | 4 38 | 5 5 | |
| 276 | 3 | Sat. | 6 0 | 37 | 59 | 38 | 58 | 38 | 23 | 11 44 | 11 51 | 11 57 | morn. | 5 45 | 6 15 | |
| 277 | 4 | S. | 1 | 35 | 6 0 | 36 | 5 59 | 37 | 24 | morn. | morn. | morn. | 0 9 | 6 56 | 7 26 | 18*th Sunday after Trinity.* |
| 278 | 5 | Mo. | 2 | 33 | 6 1 | 35 | 6 0 | 36 | 25 | 0 53 | 0 58 | 1 4 | 1 14 | 8 4 | 8 29 | |
| 279 | 6 | Tu. | 3 | 32 | 2 | 33 | 1 | 34 | 26 | 2 1 | 2 4 | 2 8 | 2 18 | 9 1 | 9 23 | |
| 280 | 7 | Wd. | 4 | 31 | 3 | 32 | 2 | 33 | 27 | 3 5 | 3 8 | 3 11 | 3 20 | 9 50 | 10 9 | ☌ ♂ ☾ . . . . ♂ —3° 8ʰ 23ᵐ A.M. |
| 281 | 8 | Th. | 5 | 30 | 4 | 31 | 3 | 32 | 28 | 4 8 | 4 10 | 4 11 | 4 19 | 10 32 | 10 51 | |
| 282 | 9 | Fri. | 6 | 28 | 5 | 29 | 4 | 30 | 29 | 5 10 | 5 10 | 5 9 | 5 17 | 11 10 | 11 30 | ☌ ♃ ☾ . . . . . ♃ 0° 9ʰ 58 P.M. |
| 283 | 10 | Sat. | 8 | 26 | 6 | 27 | 5 | 29 | 0 | *sets.* | *sets.* | *sets.* | *sets.* | 11 47 | — | |
| 284 | 11 | S. | 9 | 24 | 8 | 26 | 6 | 27 | 1 | 5 55 | 5 58 | 6 2 | 6 6 | 0 6 | 0 21 | 19*th Sunday after Trinity.* |
| 285 | 12 | Mo. | 10 | 22 | 9 | 24 | 7 | 26 | 2 | 6 17 | 6 22 | 6 26 | 6 32 | 0 42 | 0 56 | ♄ stationary 3ʰ 30ᵐ A.M. |
| 286 | 13 | Tu. | 11 | 20 | 10 | 23 | 8 | 24 | 3 | 6 44 | 6 49 | 6 55 | 7 2 | 1 17 | 1 31 | 12, ♀ Gr. Hel. Lat. S. 7ʰ 25ᵐ P.M. |
| 287 | 14 | Wd | 13 | 19 | 11 | 21 | 9 | 23 | 4 | 7 17 | 7 23 | 7 30 | 7 39 | 1 54 | 2 6 | ☌ ♀ ☾ . . . . ♀ —1° 10ʰ 25ᵐ A.M. |
| 288 | 15 | Th. | 14 | 17 | 12 | 19 | 10 | 21 | 5 | 7 58 | 8 5 | 8 13 | 8 23 | 2 30 | 2 44 | |
| 289 | 16 | Fri. | 15 | 16 | 13 | 18 | 11 | 20 | 6 | 8 49 | 8 56 | 9 4 | 9 15 | 3 11 | 3 26 | |
| 290 | 17 | Sat. | 16 | 14 | 15 | 16 | 13 | 19 | 7 | 9 49 | 9 56 | 10 4 | 10 16 | 3 57 | 4 18 | |
| 291 | 18 | S. | 18 | 13 | 16 | 14 | 14 | 17 | 8 | 10 58 | 11 4 | 11 10 | 11 22 | 4 55 | 5 19 | 20*th Sunday after Trinity.* |
| 292 | 19 | Mo. | 19 | 11 | 17 | 13 | 15 | 16 | 9 | morn. | morn. | morn. | morn. | 5 57 | 6 23 | ☌ ♄ ☾ . . . . ♄ +4° 5ʰ 23ᵐ A.M. |
| 293 | 20 | Tu. | 20 | 9 | 18 | 11 | 16 | 14 | 10 | 0 11 | 0 16 | 0 21 | 0 33 | 7 2 | 7 26 | |
| 294 | 21 | Wd. | 22 | 8 | 19 | 10 | 17 | 13 | 11 | 1 28 | 1 31 | 1 34 | 1 45 | 7 58 | 8 20 | |
| 295 | 22 | Th. | 23 | 6 | 20 | 8 | 18 | 11 | 12 | 2 45 | 2 46 | 2 48 | 2 59 | 8 49 | 9 11 | |
| 296 | 23 | Fri. | 24 | 5 | 21 | 7 | 19 | 10 | 13 | 4 3 | 4 3 | 4 3 | 4 12 | 9 35 | 9 59 | 24, ☾ Eclipsed, vis. at Wash. |
| 297 | 24 | Sat. | 25 | 3 | 23 | 6 | 20 | 8 | 14 | 5 23 | 5 21 | 5 20 | 5 28 | 10 23 | 10 49 | ☿ Gr. Elong. E. 24° 3ʰ 36ᵐ A.M. |
| 298 | 25 | S. | 26 | 2 | 24 | 4 | 21 | 7 | 15 | *rises.* | *rises.* | *rises.* | *rises.* | 11 12 | 11 41 | 21*st Sunday after Trinity.* |
| 299 | 26 | Mo. | 27 | 5 0 | 25 | 3 | 22 | 6 | 16 | 5 48 | 5 53 | 5 58 | 6 8 | — | 0 4 | |
| 300 | 27 | Tu. | 29 | 4 59 | 26 | 2 | 23 | 5 | 17 | 6 29 | 6 36 | 6 43 | 6 53 | 0 36 | 0 58 | |
| 301 | 28 | Wd. | 30 | 58 | 27 | 5 0 | 24 | 4 | 18 | 7 21 | 7 17 | 7 37 | 7 48 | 1 32 | 1 53 | |
| 302 | 29 | Th. | 31 | 56 | 28 | 4 59 | 25 | 2 | 19 | 8 24 | 8 31 | 8 39 | 8 51 | 2 29 | 2 50 | |
| 303 | 30 | Fri. | 33 | 55 | 30 | 58 | 26 | 1 | 20 | 9 32 | 9 39 | 9 46 | 9 58 | 3 26 | 3 49 | |
| 304 | 31 | Sat. | 6 34 | 4 54 | 6 31 | 4 57 | 6 28 | 5 0 | 21 | 10 43 | 10 48 | 10 54 | 11 5 | 4 27 | 4 52 | □ ♄ ☉ 8ʰ 20ᵐ A.M. |

**PHENOMENA.**

| *Moon's Phases.* | d. | h. m. |
|---|---|---|
| ☾ Last Quarter | 2 | 8 30 A.M. |
| ● New Moon | 10 | 5 23 A.M. |
| ☽ First Quarter | 18 | 8 21 A.M. |
| ○ Full Moon | 25 | 2 13 A.M. |
| ☾ Last Quarter | 31 | 8 56 P.M. |




# NOVEMBER.

XI Month.] **1874.** [30 Days.

| DAY of Year | DAY of Month | DAY of Week | THE SUN. Latitude of Boston. Rises. | Latitude of Boston. Sets. | Latitude of New York. Rises. | Latitude of New York. Sets. | Latitude of Washington. Rises. | Latitude of Washington. Sets. | THE MOON. Washington. Age at Noon. | Boston. Rises. | New York. Rises. | Washington. Rises. | San Fran. Rises. | HIGH TIDE. Boston. A.M. | P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | WASHINGTON. |
| 305 | 1 | S. | 6 35 | 4 52 | 6 32 | 4 56 | 6 29 | 4 59 | 22 | 11 51 | 11 56 | morn. | morn. | 5 31 | 5 58 | 22*d Sunday after Trinity.* |
| 306 | 2 | Mo. | 36 | 51 | 33 | 54 | 30 | 58 | 23 | morn. | morn. | 0 0 | 0 10 | 6 36 | 7 3 | ♀ greatest brilliancy. |
| 307 | 3 | Tu. | 38 | 50 | 34 | 53 | 31 | 56 | 24 | 0 57 | 1 0 | 1 4 | 1 13 | 7 38 | 8 1 | |
| 308 | 4 | Wd. | 39 | 49 | 35 | 52 | 32 | 55 | 25 | 2 1 | 2 2 | 2 4 | 2 13 | 8 31 | 8 54 | |
| 309 | 5 | Th. | 40 | 47 | 37 | 51 | 33 | 54 | 26 | 3 2 | 3 3 | 3 3 | 3 11 | 9 19 | 9 39 | ☌ ♂ ☾ . . . . ♂ —1° 3h 21m A.M. |
| 310 | 6 | Fri. | 41 | 46 | 38 | 50 | 34 | 53 | 27 | 4 3 | 4 2 | 4 1 | 4 8 | 10 1 | 10 22 | ☌ ♃ ☾ . . . . ♃ 0° 4h 33m P.M. |
| 311 | 7 | Sat. | 42 | 45 | 39 | 49 | 35 | 52 | 28 | 5 4 | 5 2 | 5 0 | 5 6 | 10 40 | 11 2 | |
| 312 | 8 | S. | 44 | 44 | 40 | 48 | 36 | 51 | 29 | 6 6 | 6 3 | 6 0 | 6 5 | 11 17 | 11 39 | 23*d Sunday after Trinity.* |
| 313 | 9 | Mo. | 45 | 43 | 42 | 46 | 38 | 50 | 0 | *sets.* | *sets.* | *sets.* | *sets.* | 11 53 | — | |
| 314 | 10 | Tu. | 47 | 42 | 43 | 45 | 39 | 49 | 1 | 5 18 | 5 25 | 5 31 | 5 40 | 0 16 | 0 29 | |
| 315 | 11 | Wd. | 48 | 41 | 44 | 44 | 40 | 48 | 2 | 5 57 | 6 4 | 6 11 | 6 21 | 0 53 | 1 5 | |
| 316 | 12 | Th. | 49 | 40 | 45 | 43 | 41 | 47 | 3 | 6 44 | 6 52 | 7 0 | 7 10 | 1 31 | 1 43 | ☌ ♀ ☾ . . . . ♀ 0° 2h 41m A.M. |
| 317 | 13 | Fri. | 51 | 39 | 47 | 42 | 42 | 46 | 4 | 7 42 | 7 49 | 7 56 | 8 8 | 2 10 | 2 22 | |
| 318 | 14 | Sat. | 52 | 38 | 48 | 41 | 43 | 46 | 5 | 8 47 | 8 53 | 9 0 | 9 12 | 2 51 | 3 6 | |
| 319 | 15 | S. | 53 | 37 | 49 | 40 | 44 | 45 | 6 | 9 57 | 10 2 | 10 8 | 10 19 | 3 37 | 3 55 | 24*th Sunday after Trinity.* |
| 320 | 16 | Mo. | 54 | 36 | 51 | 40 | 45 | 44 | 7 | 11 10 | 11 13 | 11 17 | 11 29 | 4 30 | 4 51 | 15, ☌ ♄ ☾ . . . . ♄ +4° 1h 49m P.M. |
| 321 | 17 | Tu. | 55 | 35 | 52 | 39 | 47 | 44 | 8 | morn. | morn. | morn. | morn. | 5 27 | 5 50 | |
| 322 | 18 | Wd. | 57 | 34 | 53 | 38 | 48 | 43 | 9 | 0 23 | 0 26 | 0 28 | 0 39 | 6 24 | 6 48 | ♀ stationary 2h 4m P.M. |
| 323 | 19 | Th. | 58 | 33 | 55 | 38 | 49 | 42 | 10 | 1 38 | 1 39 | 1 40 | 1 49 | 7 19 | 7 44 | |
| 324 | 20 | Fri. | 6 59 | 33 | 56 | 37 | 50 | 42 | 11 | 2 54 | 2 53 | 2 53 | 3 1 | 8 11 | 8 36 | |
| 325 | 21 | Sat. | 7 1 | 32 | 57 | 37 | 51 | 41 | 12 | 4 13 | 4 10 | 4 8 | 4 16 | 9 1 | 9 29 | |
| 326 | 22 | S. | 2 | 31 | 58 | 36 | 52 | 40 | 13 | 5 34 | 5 30 | 5 27 | 5 34 | 9 54 | 10 25 | 25*th Sunday after Trinity.* |
| 327 | 23 | Mo. | 3 | 31 | 6 59 | 35 | 53 | 40 | 14 | *rises.* | *rises.* | *rises.* | *rises.* | 10 48 | 11 21 | |
| 328 | 24 | Tu. | 4 | 30 | 7 0 | 35 | 54 | 39 | 15 | 5 5 | 5 12 | 5 19 | 5 30 | 11 41 | — | |
| 329 | 25 | Wd. | 5 | 29 | 1 | 34 | 55 | 39 | 16 | 6 4 | 6 11 | 6 19 | 6 31 | 0 16 | 0 37 | |
| 330 | 26 | Th. | 7 | 29 | 2 | 34 | 57 | 38 | 17 | 7 12 | 7 19 | 7 27 | 7 39 | 1 13 | 1 33 | |
| 331 | 27 | Fri. | 8 | 28 | 3 | 33 | 58 | 38 | 18 | 8 25 | 8 31 | 8 37 | 8 49 | 2 9 | 2 28 | |
| 332 | 28 | Sat. | 9 | 28 | 4 | 33 | 6 59 | 38 | 19 | 9 37 | 9 41 | 9 46 | 9 57 | 3 4 | 3 24 | |
| 333 | 29 | S. | 10 | 27 | 5 | 32 | 7 0 | 37 | 20 | 10 46 | 10 49 | 10 53 | 11 2 | 3 58 | 4 20 | 1*st Sunday in Advent.* |
| 334 | 30 | Mo. | 7 11 | 4 27 | 7 6 | 4 32 | 7 1 | 4 37 | 21 | 11 51 | 11 53 | 11 55 | morn. | 4 54 | 5 17 | |

| Moon's Phases. | d. | h. | m. |
|---|---|---|---|
| ● New Moon . . . . . | 9 | 0 | 26 A.M. |
| ☽ First Quarter . . . . . | 16 | 8 | 46 P.M. |
| ○ Full Moon . . . . . | 23 | 0 | 26 P.M. |
| ☾ Last Quarter . . . . . | 30 | 1 | 21 P.M. |

# DECEMBER.

XII Month.] **1874.** [31 Days.

| DAY of Year. | of Month. | of Week. | THE SUN. Latitude of Boston. Rises. | Sets. | Latitude of New York. Rises. | Sets. | Latitude of Washington. Rises. | Sets. | THE MOON. Washington. Age at Noon. | Boston. Rises. | New York. Rises. | Washington. Rises. | San Fran. Rises. | HIGH TIDE. Boston. A.M. | P.M. | PHENOMENA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | d. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | Moon's Phases. ● New Moon . . . . . 8 6 58 P.M. ☽ First Quarter . . . . . 16 7 16 A.M. ○ Full Moon . . . . . 22 11 48 P.M. ☾ Last Quarter . . . . . 30 9 28 A.M. |
| 335 | 1 | Tu. | 7 12 | 4 26 | 7 7 | 4 32 | 7 2 | 4 37 | 22 | morn. | morn. | morn. | 0 4 | 5 51 | 6 15 | Washington. |
| 336 | 2 | Wd. | 13 | 26 | 8 | 31 | 3 | 37 | 23 | 0 54 | 0 54 | 0 55 | 1 3 | 6 46 | 7 10 | |
| 337 | 3 | Th. | 14 | 26 | 9 | 31 | 4 | 36 | 24 | 1 55 | 1 54 | 1 54 | 2 1 | 7 39 | 8 3 | ♂ ♂ ☾ . . . . ♂ +1° 11h 20m P.M. |
| 338 | 4 | Fri. | 15 | 26 | 10 | 31 | 5 | 36 | 25 | 2 56 | 2 54 | 2 52 | 2 58 | 8 28 | 8 52 | ♂ ♆ ☾ . . . . ♆ +1° 10h 31m A.M. |
| 339 | 5 | Sat. | 16 | 27 | 11 | 31 | 6 | 36 | 26 | 3 57 | 3 54 | 3 51 | 3 57 | 9 14 | 9 37 | |
| 340 | 6 | S. | 17 | 27 | 12 | 31 | 7 | 36 | 27 | 5 1 | 4 56 | 4 52 | 4 57 | 9 56 | 10 21 | *2d Sunday in Advent.* |
| 341 | 7 | Mo. | 18 | 27 | 13 | 31 | 8 | 36 | 28 | 6 5 | 6 0 | 5 54 | 5 59 | 10 38 | 11 2 | |
| 342 | 8 | Tu. | 19 | 27 | 14 | 31 | 8 | 36 | 29 | sets. | sets. | sets. | sets. | 11 16 | 11 42 | |
| 343 | 9 | Wd | 20 | 27 | 15 | 31 | 9 | 36 | 1 | 4 41 | 4 48 | 4 56 | 5 7 | 11 55 | — | ♂ ♀ ☾ . . . . ♀ +4° 8h 21m P.M. |
| 344 | 10 | Th. | 20 | 26 | 16 | 31 | 10 | 37 | 2 | 5 36 | 5 44 | 5 51 | 6 3 | 0 22 | 0 33 | 8, ♂ ♀ ☉ Inf. and Tran. 11h 12m P.M. |
| 345 | 11 | Fri. | 21 | 26 | 16 | 31 | 11 | 37 | 3 | 6 40 | 6 46 | 6 53 | 7 5 | 1 1 | 1 13 | |
| 346 | 12 | Sat. | 22 | 26 | 17 | 31 | 11 | 37 | 4 | 7 49 | 7 54 | 8 0 | 8 12 | 1 42 | 1 54 | |
| 347 | 13 | S. | 23 | 26 | 18 | 30 | 12 | 37 | 5 | 9 0 | 9 4 | 9 9 | 9 20 | 2 23 | 2 36 | ♂ ♄ ☾ . . . . ♄ +4° 11h 2m P.M. *3d Sunday in Advent.* |
| 348 | 14 | Mo. | 24 | 26 | 19 | 32 | 13 | 38 | 6 | 10 12 | 10 15 | 10 19 | 10 29 | 3 6 | 3 22 | |
| 349 | 15 | Tu. | 25 | 26 | 19 | 32 | 13 | 38 | 7 | 11 24 | 11 26 | 11 27 | 11 37 | 3 52 | 4 12 | ♂ ♂ ♆ . . . . ♂ + 0° 9h 43m P.M. |
| 350 | 16 | Wd. | 26 | 27 | 20 | 32 | 14 | 38 | 8 | morn. | morn. | morn. | morn. | 4 44 | 5 6 | |
| 351 | 17 | Th. | 26 | 27 | 21 | 33 | 15 | 39 | 9 | 0 37 | 0 37 | 0 37 | 0 46 | 5 36 | 6 2 | |
| 352 | 18 | Fri. | 27 | 27 | 21 | 33 | 16 | 39 | 10 | 1 51 | 1 50 | 1 48 | 1 56 | 6 32 | 6 59 | |
| 353 | 19 | Sat. | 27 | 27 | 22 | 33 | 16 | 40 | 11 | 3 9 | 3 6 | 3 2 | 3 10 | 7 28 | 7 57 | |
| 354 | 20 | S. | 28 | 28 | 22 | 34 | 17 | 40 | 12 | 4 29 | 4 24 | 4 20 | 4 26 | 8 25 | 8 57 | *4th Sunday in Advent.* |
| 355 | 21 | Mo. | 28 | 28 | 23 | 34 | 17 | 41 | 13 | 5 51 | 5 45 | 5 38 | 5 44 | 9 23 | 9 57 | ☉ ent. ♑ Winter com. 6h 14m P.M. |
| 356 | 22 | Tu. | 29 | 28 | 23 | 35 | 18 | 41 | 14 | 7 9 | 7 2 | 6 55 | 7 0 | 10 20 | 10 56 | |
| 357 | 23 | Wd. | 29 | 29 | 24 | 35 | 18 | 42 | 15 | rises. | rises. | rises. | rises. | 11 17 | 11 53 | |
| 358 | 24 | Th. | 30 | 29 | 24 | 36 | 19 | 42 | 16 | 6 0 | 6 7 | 6 13 | 6 26 | — | 0 13 | |
| 359 | 25 | Fri. | 30 | 30 | 25 | 36 | 19 | 43 | 17 | 7 15 | 7 20 | 7 26 | 7 37 | 0 47 | 1 5 | Christmas Day. |
| 360 | 26 | Sat. | 30 | 31 | 25 | 37 | 20 | 43 | 18 | 8 27 | 8 31 | 8 35 | 8 46 | 1 38 | 1 56 | |
| 361 | 27 | S. | 31 | 32 | 25 | 38 | 20 | 43 | 19 | 9 36 | 9 38 | 9 41 | 9 51 | 2 27 | 2 44 | *1st Sunday after Christmas Day.* |
| 362 | 28 | Mo. | 31 | 33 | 26 | 38 | 20 | 44 | 20 | 10 41 | 10 42 | 10 43 | 10 52 | 3 13 | 3 31 | ♀ stationary 10h 52m P.M. |
| 363 | 29 | Tu. | 31 | 34 | 26 | 39 | 20 | 45 | 21 | 11 44 | 11 43 | 11 44 | 11 51 | 4 0 | 4 20 | |
| 364 | 30 | Wd. | 32 | 35 | 26 | 40 | 21 | 46 | 22 | morn. | morn. | morn. | morn. | 4 49 | 5 11 | |
| 365 | 31 | Th. | 7 32 | 4 36 | 7 26 | 4 41 | 7 21 | 4 47 | 23 | 0 45 | 0 43 | 0 42 | 0 49 | 5 38 | 6 2 | ☉ in Perigee 0h 52m A.M. |